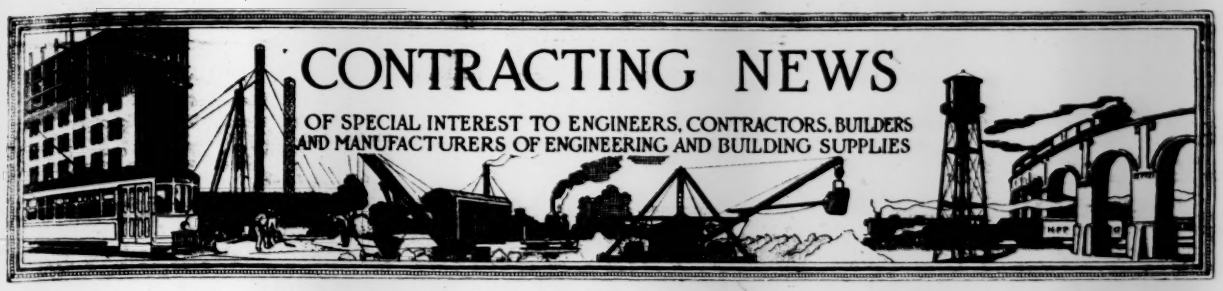
CONTRACTING NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Proposals

For Proposals Advertised See Pages 58 to 61 Inclusive

WATER-WORKS

Bids Close		See Eng. News-Record
Dec. 17.	Madill, Okla.	Dec. 13
Dec. 20.	Brooklyn, N. Y.	Dec. 13
Dec. 20.	Wooster, Ohio Adv. Nov. 29 and Dec. 6.	Nov. 29

SEWERS

Dec. 17.	Millburn, N. J.	Dec. 13
Dec. 18.	Phila., Pa.	Dec. 13
Dec. 19.	Baltimore, Md.	Dec. 6
Dec. 19.	Brooklyn, N. Y.	Dec. 13
Dec. 21.	Youngstown, O.	Dec. 13
Dec. 24.	West Park, O.	Dec. 13
Dec. 30.	Rocky River, Ohio	Nov. 29
Feb. 1.	Toledo, O.	Dec. 13

BRIDGES

Dec. 17.	Chandler, Okla.	Dec. 13
Dec. 17.	San Diego, Cal.	Dec. 13
Dec. 18.	Kansas City, Mo. Adv. Nov. 29 and Dec. 6.	Nov. 29
Dec. 18.	Beatrice, Neb.	Dec. 6
Dec. 18.	Princeton, Minn.	Dec. 6
Dec. 21.	Kansas City, Mo. Adv. Nov. 29 and Dec. 6.	Nov. 29
Dec. 21.	Pocatello, Idaho	Dec. 6
Dec. 21.	Necedah, Wis.	Dec. 6
Dec. 22.	Livingston, Ala.	Nov. 29
Dec. 29.	Troy, N. Y. Adv. Dec. 13.	Dec. 13
Jan. 8.	Salinas, Cal.	Dec. 13

STREETS AND ROADS

Dec. 15.	Jasper, Ala.	Nov. 29
Dec. 15.	Fitchburg, Mass. Adv. Nov. 29	Nov. 29
Dec. 15.	Hatley, Que.	Dec. 6
Dec. 15.	La Crosse, Wis.	Dec. 13
Dec. 17.	Los Angeles, Cal.	Dec. 6
Dec. 17.	Okmulgee, Okla. Adv. Nov. 29 and Dec. 6.	Dec. 6
Dec. 17.	Everett, Wash.	Dec. 6
Dec. 17.	Louisiana	Dec. 13
Dec. 17.	Union, N. J.	Dec. 13
Dec. 19.	Cleveland, O.	Dec. 13
Dec. 20.	Sturgeon Bay, Wis.	Dec. 13
Dec. 20.	Youngstown, O.	Dec. 13
Dec. 22.	Dayton, O.	Dec. 6
Dec. 24.	California	Dec. 13
Dec. 27.	Elizabeth, N. J.	Nov. 29
Dec. 27.	Ohio	Dec. 13
Dec. 27.	Atlantic City, N. J.	Dec. 13
Dec. 28.	Webster Springs, W. Va.	Dec. 13
Dec. 29.	Huntington, Ind.	Dec. 6
Dec. 31.	Bay Minette, Ala.	Dec. 6
Jan. 2.	Alexandria, La.	Dec. 13

EXCAVATION AND DREDGING

Dec. 15.	Sheboygan, Wis.	Dec. 6
Dec. 15.	Toronto, Ont.	Dec. 6
Dec. 17.	Jefferson, Ia.	Dec. 13
Dec. 18.	Elbow Lake, Minn.	Dec. 6
Dec. 20.	Pine Bluff, Ark.	Dec. 13
Dec. 20.	Albany, N. Y. Adv. Nov. 29 to Dec. 13.	Nov. 29

INDUSTRIAL WORKS

Dec. 14.	Bedford Hills, N. Y. Adv. Dec. 13.	Dec. 13

BUILDINGS

Dec. 15.	Gallup, N. M.	Nov. 29
Dec. 15.	Kokomo, Ind.	Dec. 6
Dec. 17.	Kenmore, Ohio	Nov. 29
Dec. 17.	New Paltz, N. Y. Adv. Nov. 29 and Dec. 6.	Nov. 29
Dec. 17.	Pittsburgh, Kan.	Nov. 29
Dec. 17.	East Cleveland (Cleveland P. O.) O.	Dec. 6
Dec. 17.	Miami, Okla.	Dec. 6
Dec. 17.	Austin, Minn.	Dec. 13
Dec. 18.	Brooklyn, N. Y.	Dec. 13
Dec. 18.	Kansas City, Mo. Adv. Nov. 29	Nov. 29
Dec. 19.	Milledgeville, Ga.	Dec. 13
Dec. 19.	Brooklyn, N. Y.	Dec. 13
Dec. 20.	Wingdale, N. Y. Adv. Dec. 13.	Dec. 13
Dec. 21.	Harrisburg, Pa.	Dec. 13
Dec. 21.	Shaker Heights (Cleveland P. O.) O.	Dec. 6
Dec. 21.	Twin Bridges, Mont.	Dec. 13
Dec. 22.	Oxford, Ohio	Dec. 6
Dec. 24.	Cleveland, Ohio	Dec. 6
Dec. 24.	Syracuse, N. Y.	Dec. 13
Dec. 30.	St. Cyprien, Que.	Dec. 13
Jan. 1.	Wichita, Kan.	Nov. 22
Jan. 8.	Dodge Center, Minn.	Dec. 13
Jan. 15.	New York, N. Y.	Nov. 29

FEDERAL GOVERNMENT WORK

Dec. 17.	Electric Traveling Cranes —Washington, D. C.	Dec. 13
Dec. 17.	Steel Barge — Memphis, Tenn. Adv. Dec. 13.	Dec. 13
Dec. 17.	Post Office—Denton, Tex.	Nov. 8
Dec. 17.	Wharf and Boathouse—Santa Rosa, Fla. Adv. Nov. 29 and Dec. 6.	Nov. 29
Dec. 17.	Motor Generator Sets — Washington, D. C.	Dec. 6
Dec. 17.	Seaman Gunners' Quarters Washington, D. C.	Dec. 6
Dec. 17.	Extension to Power House Indian Head, Md.	Dec. 13
Dec. 17.	Tower and Buildings — Washington, D. C.	Dec. 13
Dec. 18.	Laterals — Torrington, Wyo.	Nov. 1
Dec. 19.	Dredging—San Francisco, Cal.	Dec. 6
Dec. 21.	Dredging — Philadelphia, Pa.	Nov. 29
Dec. 21.	Wreck Removal — Washington, D. C. Adv. Dec. 13.	Dec. 13
Dec. 24.	Fuel Oil System — San Diego, Cal.	Dec. 13
Dec. 26.	Sewerage System, Water Supply Intake, Reservoir —Washington, D. C.	Dec. 6
Dec. 27.	Post Office — Alexandria, La. Adv. Nov. 22 and 29.	Nov. 22
Dec. 27.	Steam Heating System—Shawnee, Okla.	Dec. 6
Jan. 4.	Buildings — Grande Isle, La. Adv. Dec. 6 and 13.	Dec. 6
Jan. 5.	Jetty Work — Jacksonville, Fla.	Dec. 13
Jan. 7.	Post Office — Eldorado, Kan.	Dec. 6
Jan. 7.	Post Office — Shawnee, Okla.	Dec. 6
Jan. 7.	Electric Traveling Cranes— —Brooklyn, Y.	Dec. 13
Jan. 14.	Post Office—Owego, N. Y. Adv. Dec. 13.	Dec. 13
Jan. 28.	Post Office—Sunbury, Pa.	Dec. 6

MISCELLANEOUS

Dec. 17.	Docks—Seattle, Wash.	Dec. 6
Dec. 18.	River Channel Improvement—Columbus, O. Adv. Dec. 13.	Dec. 13
Dec. 18.	Fire Escapes—Dover, N. J.	Dec. 13
Dec. 18.	Seawall—Long Beach, Cal.	Dec. 13
Dec. 19.	Flooring—Willard, N. Y. Adv. Dec. 13.	Dec. 13
Dec. 22.	Creek Diversion—Rosedale, Kan.	Dec. 13
Dec. 26.	Station Finish—New York, N. Y.	Dec. 13
Dec. 28.	Levee Work — Shreveport, La.	Dec. 13
Jan. 2.	Improving Harbor — Newport, Ore. Adv. Nov. 29 to Dec. 13.	Nov. 29
Jan. 5.	Levee—Chamois, Mo. Adv. Dec. 13.	Dec. 13

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

WATER-WORKS

Proposed Work

N. J., Newark—City plans to build brick meter and water gage, 16 ft. in diam. About $15,000. M. R. Sherrerd, city engr.

Ga., Stone Mountain—(Official)—City defeated $15,000 bonds to build water system. Noted Nov. 8.

Miss., Natchez—City plans to build water system or improve old one. O. M. Fowler, city engr.

O., Cleveland—Council approved $500,000 bond issue to extend water system. R. Hoffman, city engr.

Mich., Highland Park—(Official)—City receiving bids early next year for 10,000,000-gal. daily capacity filter plant and improving pump house. About $300,000. L. C. Whitsit, city engr. Noted Nov. 22.

Mich., Sault Ste. Marie—(Official)—City plans to install chlorine control apparatus at pumping station. W. M. Rich, city engr.

Minn., St. Cloud—City rejected bids for furnishing 271 tons, 8-12 in. pipe for water system, and laying water mains. New bids in February. Noted Oct. 18.

Water-Works (Continued)

Neb., Scottsbluff—City sold $22,000 bonds to extend water system. O. F. Finley, city engr. Noted July 5.

Wyo., Laramie—City voted $60,000 bonds to extend water system. J. Coolican, clk.

Mont., Scobey—City election Jan. 29 to vote on $35,000 bond issue to build water and sewerage systems. Noted Aug. 30.

Okla., Guthrie—City having plans prepared by Benham Eng. Co., engrs., Colcord Bldg., Oklahoma City, building new supply flow line and pumping plant. About $200,000. G. C. Anderson, clk. Noted Oct. 25.

Idaho, Hailey—City defeated $100,000 bonds to build water system and power plant. Noted Sept. 27.

Cal., Pasadena—City plans to build new well and pumping plant. R. V. Orbison, city engr.

Cal., Santa Barbara—City has been offered site in Upper Montecito Valley and fund of $12,000 to build reservoir.

Cal., Vail—City voted $11,000 bonds to build water and light systems.

Que., Pointe Claire—Town plans to improve water system and install filter system. About $250,000.

BIDS DESIRED

N. Y., Brooklyn—Until Dec. 20, by Bd. Pub. Charities, Municipal Bldg., New York City, installing water system in Kings Co. Hospital.

Okla., Madill—(Official)—Until Dec. 17, by City, building water system, including wells, pump, stand pipe, pipe, etc. J. K. Ross, city engr. Noted Nov. 29.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., New York—W. Williams, Comr. Water Supply, Gas and Electricity, Municipal Bldg., received low bids, Dec. 3, hauling and laying water mains and appurtenances to cross connect existing mains in Southern Blvd., from East 163rd St. to East 181st St. (Bronx Boro.) from Knight & De Micco, Inc., 2353 Washington Ave., $4577; Beaver Eng. & Contg. Co., Inc., 51 Chambers St., $5054; J. A. Gregory, $8444. Noted Nov. 29.

★**S. C., Columbia**—City let contract furnishing one 250- and two 400-hp. pumps for water system, to Perry Mann Electric Co., 1537 Main St., $9641. Noted Nov. 29.

★**Ky., Covington**—City let contract installing new pumping machinery and electric motors, to Union Light, Heat & Power Co., $36,000.

O., Akron—(Official)—City received low bids furnishing and delivering centrifugal pumps, from Morris Machine Wks., 11 Cortland St., New York City, $4910; J. L. Skeldon Eng. Co., 359 Spitzer Bldg., Toledo, $5000; R. D. Wood & Co., 400 Chestnut St., Phila., $5300.

★**O., Canton**—City let contract drilling 12 new wells, furnishing pipe and screens, to Lane & Bowler, Chelsea Ave., Memphis, Tenn., $19,000. Noted Nov. 22.

★**O., Euclid**—City let contract building 6 in. water mains in Independence, Chelsea, Nautmann, Ivan, and Nicholas Aves., to Gould & Maybach, 823 East 150th St., Cleveland, $27,150.

★**Que., Three Rivers**—City let contract building pumping station and reservoir to Phoenix Bridge & Iron Wks., Ltd., 83 Colborner St., Montreal, $12,000.

SEWERS

Proposed Work

Mass., Boston—(Official)—City plans to build sewers in Atlantic Ave., from Summer St. to Pearl St., Roslindale Branch of Stony Brook, West Roxbury; in North Beacon St., from Robert to South Sts., West Roxbury; in North Beacon St., from Market to Cambridge Sts., Brighton; in Holton St., from Antwerp to Everett Sts., Brighton; Rutheford Ave. from Baldwin to Allen Sts., Hyde Park; etc. E. F. Murphy, comr. pub. wks.

N. Y., Jamaica—Bd. Estimate granted final authorization for building sewer in Van Wyck Ave., from Silkworth to Jamaica Aves.; in Metropolitan Ave. from Van Wyck to Troy Aves. About $16,300.

N. Y., Watervliet—City soon lets contract building sewers in 23rd St. to connect with new storm sewerage system. C. F. Polk, clk.

Ky., Owensboro—City soon lets contract building 2 sewers. About $421,715. E. B. Shilley, city engr. Noted Aug. 9.

Kan., Parsons—(Official)—State Bd. Health ordered city to build secondary treatment works for sewage before discharging it into La Bette Creek. About $20,000. C. A. Haskins, engr. div. water and sewers.

Mont., Scobey—See "Water-Works."

Mo., Kansas City—City rescinded contract let to M. Walsh building Troost Ave. trunk line sewer, from 50th to 64th St. About $165,000. Work will be readvertised. Noted Sept. 27.

Tex., Dallas—Attorney General's Dept. approved $300,000 bonds to build sewers. H. Mosley, city engr.

Okla., Sapulpa—See "Streets and Roads."

Okla., Pilcher—City plans to build sewerage system. About $30,000.

N. M., East Las Vegas—(Official)—City lets contract in January, building sewerage system, involving 22,250 ft. 8-12-in. vitr. pipe, 38 manholes and 21 flash tanks. About $29,478. V. K. Jones, city engr. Noted Nov. 29.

Cal., Los Angeles—City plans to build sewers on Shepard St., from Pacific to Carolina St., also on State St. A. Hansen, city engr.

BIDS DESIRED

N. Y., Brooklyn—Until Dec. 19, by L. H. Pounds, boro. pres., building sewers on Ave. M, from West St. to Ocean Pkway.; East 3rd, 4th and 5th Sts., and Ocean Pkway.; outlet sewers crossing West St. from Ave. M to 23rd Ave.; 23rd Ave. from West St. to 60th St. and 60th St. from 23rd Ave. to Bay Pkway., involving 4970 lin.ft. 6-48 in. pipe, 33 manholes, 27 sewer basins, 34,000 ft. sheeting and bracing, and 10 cu.yd. concrete. About $39,924.

N. J., Millburn—Until Dec. 17, by Twp. Com., building storm sewer between Ridgewood Rd. and Millburn Ave. M. R. Silance, clk.

Pa., Phila.—(Official)—Until Dec. 18, by G. E. Datesman, dir. pub. serv., building intercepting sewers along Frankford Creek, Contr. No. 17; also miscellaneous piping for grit chamber north of Lycoming St. and west of O St., Contr. No. 16-L.

O., Toledo—(Official)—Until Feb. 1, by H. Goodwillie, dir. pub. serv., building 6 mi. 42-72-in. sewers and pumping plant. About $600,000 and $100,000, respectively. H. C. McClure, city engr. Noted Nov. 22.

O., West Park—(Official)—Until Dec. 24, by F. Feuchter, village clk., building storm-water sewer in Barthelman Ave. from station 6 to station 21.

O., Youngstown—Until Dec. 21, by City, building Mill Creek Dist. sewer; 5 separate contracts, including some branch lines and rein.-con. bridges to carry sewer over ravines in Mill Creek Park. Cost between $250,000 and $300,000. F. M. Lillie, city engr. Noted Aug. 16.

Ind., Union City—(Official)—Until Dec. 19, by City, building sewer on Plum St., involving about 7000 lin.ft. various-sized pipe. About $21,164. C. E. Hollinger, city engr. Noted Nov. 29.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Wis., White Fish Bay**—City let contract building 12,000 ft. storm sewer, to Wisconsin Constr. Co.

★**Kan., Larned**—City let contract building sewage-disposal plant to McCoy & Taylor. Noted Aug. 9.

★**Cal., Los Angeles**—City let contract for drainage work in Drainage Impvt. Dist. No. 2, west of Los Angeles, involving 53,977 ft. 8-18-in. unglazed sewer pipe, 5163 ft. 24-30-in. rein.-con. pipe and 21 manholes, to Miagenovich & Gillespie, 3920 Wisconsin St., $142,982.

BRIDGES

Proposed Work

N. J., Red Bank—Bd. Freeholders Monmouth Co., Freehold, rejected all bids for building Hubbards Bridge over Shrewsbury River. Work will be readvertised. Noted Nov. 22.

N. C., Elizabethtown—Bladen Co. Comrs. plan to build bridge over Black River from here to Burgaw, Pender Co.

Fla., Jacksonville — Duval Co. election Jan. 8, to vote on $423,000 bond issue to build bridges.

Mich., Battle Creek—City plans to build steel and cement arch bridge over Kalamazoo River on Angell St., to replace present wooden structure. E. H. Hunt, city engr., preparing plans.

Minn., Rochester—City having plans prepared for bridge, two 150-ft. spans with 66-ft. roadway to replace present bridge near power dam. A. F. Wright, clk.

Neb., Falls City—(Official)—Richardson Co. defeated $100,000 bonds to build bridges and culverts. Noted Nov. 15.

Tex., Corpus Christi—See "Miscellaneous."

Okla., Cheyenne — See "Streets and Roads."

Okla., Pawnee—See "Streets and Roads."

Wash., Waterville — See "Streets and Roads."

Oregon—See "Streets and Roads."

Cal., Santa Barbara—See "Streets and Roads."

BIDS DESIRED

N. Y., Troy—(Official)—Until Dec. 29, by C. A. Roemer, Rensselaer, co. supt., repairing 12th St. bridge over Hudson River between Ontario St., Cohoes and 12th St., Lansingburg, Troy; advertised in this issue.

N. J., Atlantic City — See "Streets and Roads."

O., Youngstown—See "Sewers."

Kan., Rosedale—(Official)—See "Miscellaneous."

Okla., Chandler—Until Dec. 17 by J. C. Pringey, clk., Lincoln Co., building several bridges.

Cal., Long Beach—See "Miscellaneous."

Cal., Salinas—Until Jan. 8, by T. P. Joy, clk., Monterey Co., building pile-trestle over Lewis Creek.

Cal., San Diego—Until Dec. 17, by J. B. McLees, clk., San Diego Co., building two pile bridges over Tijuana River; total length, 675 ft.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. J., Newark**—City let contract building steel and concrete bridge over tracks of Lehigh Valley R.R. and Pennsylvania R.R. on Ave. R, to Linde & Griffith, 4th Ave., Branch Brook. Noted July 26.

★**Fla., West Palm Beach**—(Official)—Palm Beach Co. Comrs. let contract building 2 steel draw bridges over East Coast Canal to Champion Bridge Co., Wilmington, O., $19,600. Noted Nov. 8.

★**Oregon**—State Highway Comn., Portland, let contract building draw bridge across John Day River, Clatsop Co., to Portland Bridge Co., Yeon Bldg., Portland. $20,999. Noted Nov. 22.

STRUCTURAL STEEL WORK

Proposed Work

Mich., Battle Creek—See "Bridges."

BIDS DESIRED

Kan., Rosedale — (Official) — See "Miscellaneous."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. J., Newark**—See "Bridges."

★**Fla., West Palm Beach**—(Official)—See "Bridges."

REINFORCED CONCRETE

Proposed Work

O., Cleveland—See "Industrial Works."

Utah, Salt Lake City — See "Industrial Works."

Ariz., Phoenix—See "Buildings."

Reinforced Concrete (Continued)

BIDS DESIRED

O., **Youngstown**—See "Sewers."

Kan., **Rosedale**—(Official) — See "Miscellaneous."

Cal., **Long Beach**—See "Miscellaneous."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. J., **Newark**—See "Bridges."

STREETS AND ROADS

Proposed Work

R. I., **Barrington**—Town voted $20,000 to build, and $8000 to maintain roads.

Conn., Bridgeport—City having plans prepared extending Broad St. from Elm to Catherine Sts., also building tunnel under Golden Hill St. and plaza in front of High School on Lyon Terrace. About $239,200. A. H. Terry, city engr.

N. Y., Buffalo—City plans to pave Hertel Ave. from Wesley Ave. to Main St. and Greene St. from Williams to Lovejoy St. D. J. Sweeney, clk.

N. J., Flemington—Bd. Freeholders Hunterdon Co., plans to build section Clinton-West Portal Rd. About $48,000. W. W. Foster, clk.

N. J., New Brunswick—Bd. Freeholders Middlesex Co. plans to build following roads: Woodbridge-New Brunswick, Sec. 2, $90,000; Plainfield Ave., South Plainfield, $70,000; South Plainfield Port Reading, $52,500; Washington Rd., Parlin, $133,000; Ryder's Lane, Clifton Ave., $150,000. A. B. Fox, Perth Amboy, co. engr.

N. J., Newton—Bd. Freeholders, Sussex Co. plans to improve Newton-Stanhope, Newton-Branchville, Frankford-Sandyston, Lewisburg, Sparta, Franklin-Stockholm, Sussex-Hamburg, North Church, Hamburg, Sussex, and Hardystonville Rds.

N. J., South Amboy—City plans to issue $20,000 bonds to improve Catherine and Henry Sts. L. T. McMichael, city engr.

Pennsylvania — State Highway Dept., Harrisburg, plans to build 53 mi. road between Harrisburg and Reading. Federal Government to appropriate towards cost. J. D. O'Neil, highway comr.

Penn., Pittsburgh — (Official) — Council passed ordinance paving, grading and curbing Exeter St. from Greenfield Ave. to Frank St.; Mapleton Way from Heth's Ave. to Samantha Way; Methyl St. from Wentworth St. to Coast Ave.; Warrington Ave. from Montooth St. to West Liberty Ave.; Fennimore St. from Linden to Gettysburg Sts.; Eckert St. from Lecky to McClure Aves.; Elmira St. from East to Howard Sts. R. Swan, city engr.

Pa., Sharpsville — (Official) — Council passed ordinance to grade Mercer Ave. from Walnut St. to Boro. line. W. A. Graber, boro. secy.

N. C., Asheville—City will issue $127,000 bonds to pave streets. B. M. Lee, city engr.

Ga., Columbus—Muscogee Co. plans to build Dixie Overland Highway from Columbus to Chattahoochee Co. line. F. U. Garrard, chn. co. comrs.

Fla., Jacksonville — Duval Co. election Jan. 8, to vote on $577,000 bonds to pave roads with asphalt, brick and concrete.

Ala., Birmingham—City plans to widen 3rd St. along Capitol grounds from Walnut to North Sts. About $25,000. M. B. Cowden, city engr.

Ala., Gadsden—Etowah Co. plans to build Hokes Bluff Highway, also county's section Gadsden-Attalla Rd. Federal Government will appropriate $10,000, state $2500, and county $7500. W. S. Keller, Montgomery, state highway engr.

Miss., Fulton—Itawamba Co. plans to build roads. Federal Government will appropriate $45,1000 towards cost.

La., New Iberia—City will sell $75,000 bonds for street and road work. H. S. Sealy, mayor. Noted Sept. 27.

Ky., Lebanon—(Official)—Marion Co. received no blds building 5½ mi. inter-county road from here to Bardstown, beginning at Smocks Chapel and extending to Nelson Co. line. Work will be readvertised in spring. Noted Nov. 22.

O., Bellaire—(Official)—Council passed ordinance to grade, pave, curb and build drains and retaining walls in 23rd St. from Belmont St., W. to west corporation line. A. J. Norton, city engr.

O., Cincinnati—(Official)—City plans to pave Hill Crest Rd. from Hamilton Ave. to point 1700 ft. east, bituminous macadam. F. Krug, city engr.

O., Cleveland—See "Miscellaneous."

O., Lebanon—Warren Co. plans to macadamize 4 mi. Waynesville-Lebanon Pike. About $30,000.

O., Lima—Allen Co. plans to improve Lincoln and Dixie Highways through this county in accordance with instructions of Federal and State Governments. About $1,000,000.

Ind., Evansville—Vanderburgh Co. will sell $170,000 bonds for highway improvements. C. P. Beard, aud.

Ind., South Bend—St. Joseph and Elkhart Cos., Goshen, plan to build road between Elkhart and Osceola. State will appropriate ⅓ of cost.

Michigan—State Highway Comn., Lansing, soon lets contract building 14½ mi. gravel and stone road in Osceola Co. F. F. Rogers, state highway comr.

Ill., Belvidere — Bd. Supervs. Boone Co. plans election to vote on $400,000 bonds for road work.

Ill., Carlinville — Macoupin Co. voted $160,000 bonds to complete St. Louis-Springfield hard road through county. Noted Sept. 27.

Ill., Effingham—Effingham Co. voted $104,000 bonds to pay ⅓ of cost of building Old Trails' Rd.

Wisconsin—State Highway Comn., Madison, plans to surface 6 mi. Appleton-Green Bay Rd., concrete. About $81,000. A. R. Hirst, state highway engr.

Wis., Durand—Pepin Co. plans to build roads. About $30,000. W. C. Richardson, clk.

Wis., Juneau—Dodge Co. plans to appropriate about $50,000 for highway work.

Wis., Monroe—Green Co. plans to build roads. About $210,750. State and Federal Government to appropriate toward cost. J. W. Stewart, co. aud.

Wis., Oshkosh—City Council plans $34,336 bond issue to improve streets. G. H. Randall, city engr.

Ia., Sac City—Sac Co. plans to grade 35 mi. road. W. D. Maxwell, co. engr.

Minn., Elbow Lake—Grant Co. plans to build roads. About $24,000. Federal Government will appropriate $12,000 toward cost.

Minn., Minneapolis—Hennepin Co. plans building 20 mi. River Rd. in Dayton, $40,000; grading and surfacing 21 mi. Osseo Rd., $80,000; widening 4 mi. Superior Blvd., concrete, from 14-18 ft., $16,000; grading, surfacing and graveling Excelsior Ave. between Minneapolis and Hopkins, $75,000; grading Rockford Rd. between Robbinsdale and Wright Co. line, $40,000; resurfacing Lake St. near Minnehaha Blvd., $5000; other improvements, $50,000. A. P. Erickson, co. aud. Noted Apr. 26.

Kan., Junction City—Geary Co. having plans prepared building brick road to connect Junction City and Ft. Riley. Union Pacific R.R. will appropriate toward cost. About $27,450. B. Doyle, co. engr. Noted Aug. 23.

Kan., Topeka—Kansas Good Rds. Assn. plans to build concrete highway on West 17th St. here, through Seabrook along main country road to county line at Dover, 19 mi. About $304,000. J. F. Smith, pres. Kansas Rd. Assn.

Neb., Omaha — City plans to pave 4 blocks on 35th Ave., and 3 blocks on 42nd St., asphaltic concrete. J. A. Bruce, city engr.

Neb., Scottsbluff — City plans to pave streets in business section.

S. D., Milbank—Grant Co. plans to build road from Milbank to Big Stone. Federal Government and state will appropriate toward cost.

S. D., Mitchell—City plans to pave number of streets, either 2 coat portland cement, 1 coat portland cement, asphaltic concrete; creosoted wood blocks, sheet asphalt or bitulithic; also curbs and gutters on same. S. H. Smith, city engr.

N. D., Forman — Sargent Co. Comrs. voted $40,000 bonds to improve 68 mi. state highway within its limits.

Missouri—State Highway Comn., Jefferson, plans to build 30 mi. road, 20 ft. wide in Cole Co. from Moniteau Co. line to Osage River. About $90,000. Federal Government will appropriate $45,000 towards cost.

Mo., Danville — Montgomery Co. voted $45,000 bonds to build rock road in Montgomery City Rd. Dist.

Mo., Independence—Jackson Co. having plans prepared building 3½ mi. 30-ft. roadway, brick, on rock base. O. C. Shelet, engr.

Mo., St. Louis—(Official)—Council passed ordinance to build granitoid sidewalks on Ivanhoe Ave. between Scanlan and Marquette Aves.; Marquette Ave. between Ivanhoe and McCausland Aves.; on Kingshighway between Kingshighway Southwest and Arsenal St.; Berthold Ave. between Central and McCausland Aves.; McCausland Ave. between Marquette and Fyler Aves.; Beethoven Ave. between Gravois Ave. and Morganford Rd. E. R. Kinsey, comr. bd. pub. serv.

Mo., Salem—Dent Co. having plans prepared building Salem, Licking and Iron Mountain Rds. About $160,000. J. H. McDonald, clk. Noted Apr. 26.

Arkansas—State Highway Dept., Little Rock, plans to build macadam road in Carroll Co. from Eureka Springs through Green Forest and Alpena to Green Co. line, 20 mi. About $158,000.

Ark., Walnut Ridge—Lawrence Co. Rd. Impvt. Dist. No. 6, plans to build 14 mi. roads to connect Portia, Black Rock, Powhattan, and Clover Bend Twps.

Tex., Albany — Shackelford Co. voted $100,000 bonds for road work.

Tex., Corpus Christi — See "Miscellaneous."

Tex., El Paso—El Paso Co. election, Dec. 30, to vote on $250,000 bonds to build roads. L. A. White, co. engr.

Tex., Fairfield — Freestone Co. election Dec. 22 to vote on $30,000 bonds to build roads in Dist. No. 9.

Tex., La Grange — Fayette Co. election Dec. 18 to vote on $100,000 bonds to build roads, Dist. No. 1.

Tex., Linden—Cass Co. election Dec. 21, to vote on $100,000 bonds to build roads, Dist. No. 7.

Tex., Mt. Vernon—Franklin Co. voted $10,000 bonds to build roads in Dist. 3; $20,000 in Dist. 4 and $11,000 in Dist. 5.

Tex., Palestine — Anderson Co. election Dec. 22, to vote on $48,000 bond issue to build roads, Dist. No. 6.

Tex., Wharton—Wharton Co. plans election to vote on $60,000 bond issue to build roads.

Okla., Cheyenne—Roger Mills Co. plans election to vote on $150,000 bonds to build roads and bridges.

Okla., Newkirk—City soon lets contract paving 24,800 sq.yd. in Dist. No. 1 and 11,250 yd. in Dist. No. 2. G. T. Carnall, clk.

Okla., Pawnee—Pawnee Co. election, Dec. 28, to vote on $30,000 bond issue to build roads and bridges.

Okla., Sapulpa—(Official)—City plans to pave, curb, grade, and build curbs, install pipes, catch basins, manholes, etc., in portions Mission St. and Lincoln Ave. R. M. Whittelsey, city engr.

N. M., Deming—City plans to pave Silver, Gold, Iron, Pine and Spruce Sts. Southern Pacific R.R. to bear part of cost.

Utah—State Highway Comn., Salt Lake City, had plans prepared building highway from Juab to Nills; also plans to extend highway through Juab and Millard Cos.

Wash., Bellingham—City Council plans to grade and build cement sidewalks and sewers in Prospect, Lottie and Dupont Sts., also grade, clear, etc., Normal Dr. from Cedar St. to 21st St. C. Lindberg, city engr.

Streets and Roads (Continued)

Wash., Colfax—Whitman Co. Comrs. plan to establish George M. Miller Rd., about 8 mi. to be known as Impvt. Rd. No. 2. J. M. McCaw, co. engr.

Wash., Garfield—City will sell $20,000 bonds to build streets and sidewalks.

Wash., North Yakima — Yakima Co. Comrs. having plans prepared for paving 5½ mi. road from Sunnyside to Outlook School.

Wash., Seattle—Bd. Pub. Wks. plans to pave Rainier Ave. et al. About $91,000. A. H. Dimock, city engr.

Wash., Waterville—(Official)—Douglas Co. plans to spend $400,000 for road and bridge work as follows: Sunset Highway, $165,000; Permanent Highway No. 4, $20,000; No. 4A, $8000; No. 5, $2000; No. 1A, $18,000; Beaver Creek Rd., $13,000; bridge over Foster Creek, $10,000; maintenance of permanent highways, $15,000, building and maintenance of district roads, $123,000; L. I. D. No. 4, $15,000. R. F. Foster, co. engr. Noted June 21.

Oregon — State Highway Comn., Yeon Bldg., Portland, rejected bids grading 1½ mi. in Wheeler Co., on Ochoco Forest Rd., 4 mi. from Mitchell, also building 90 ft. wood span bridge. Noted Nov. 22.

Ore., Corvallis—Benton Co. having surveys made for paving, grading and filling 10 mi. state highway from Corvallis to Polk Co. line.

Cal., Martinez—Contra Costa Co. having plans prepared building highway between Antioch and Oakley, Div. No. 7; also plans highway between Pittsburg and Bay Point, Div. No. 8.

Cal., Santa Barbara—La Mesa Rd Dist. voted $17,500 bonds to build 2 mi. roadway. Bd. Superv. will contribute $10,000 towards cost. Noted Nov. 22 R. H. Wheeler, secy.

Cal., Willows—Glen Co. voted bonds to build 14 mi. highway in boulevard district, Hamilton City. Noted Nov. 1.

Man., Winnipeg—Provincial Government will appropriate $10,000 to build road from Fort Alexander to Rice Lake mining dist. Noted June 21.

BIDS DESIRED

N. J., Atlantic City—Until Dec. 27, by City, filling, grading, curbing, and gravel-ing portions Absecon Blvd. and Venice Ave.; filling in portion Clam thoroughfare, including dredging water-ways and depositing dredged material, amounting to 888,000 sq.yd., graveling 13,100 sq.yd. of driveways, 850 sq.yd. sidewalks, covering 229,000 sq.yd. outside of driveways; building 2 bridges, 40 and 80 ft. long, and 300 lin.ft. standard wood bulkhead. J. W. Hackney, city engr.

N. J., Union—Until Dec. 17, by town resurfacing portion New York Ave., bituminous concrete. E. Bautz, clk. Noted July 12.

W. Va., Webster Springs—Until Dec. 28, by Webster Co., building road from Webster Springs to Randolph Co. line, 4 mi., and from Webster Springs to Cleveland, 3 mi.

Louisiana—(Official)—Until Dec. 17, by State Bd. Engrs., New Orleans Court Bldg., New Orleans, building 16.9 mi. Alexandria-Echo sect. of Alexandria-Marksville Highway, Rapids Parish, gravel. D. Buie, state highway engr.

La., Alexandria—(Official)—Until Jan. 2, by Police Jury, Rapids Parish, building gravel roads, Dist. No. 14. About $75,000. I. W. Sylvester, engr. Noted Nov. 22.

Ohio—Until Dec. 27, by State Highway Dept., Columbus, building roads in various counties, as follows:

Ashland Co., Sect. "A," Ashland-Wooster Rd., 2.47 mi., monolithic brick, cost $64,738

Sect. "A," Ashland-Norwalk Rd., 4.72 mi., monolithic brick, $110,597;

Sect. "G" of the Savannah-Vermillion Rd., 4.08 mi., to be paved with monolithic brick, estimated cost $84,646.20.

Franklin Co., Sect. "Q," Columbus-Sandusky Rd., 1.96 mi., bituminous macadam, $38,900;

Lake Co., Sect. "J," Cleveland-Buffalo Rd., 7.715 mi., monolithic brick-rein. con., $213,356;

Sect. "Q," Cleveland-Buffalo Rd., 5.43 mi., monolithic brick-rein. con., $150,814.29.

Lawrence Co., Sect. "K," of the Ohio River Rd., 0.97 mi. concrete, $20,026.75.

Sect. "E," Ironton-Miller Rd., 1 mi., bituminous macadam, $16,152;

Logan Co., Sect. "A-1," Bellefountaine-Lima Rd.; 0.50 mi., concrete, $13,888;

Sect. "F-1," Bellefountaine-Richwood Rd., 2.68 mi., waterbound macadam, $32,419;

Lucas Co., Sect. "K-2," Toledo-Napoleon Rd., 3.75 mi., concrete, $85,801;

Sect. "J," Toledo-Napoleon Rd., 4.48 mi., concrete and waterbound macadam, $73,334;

Mahoning Co., Sect. "Y," Canfield-Poland Rd., 1.88 mi., waterbound macadam, $24,674;

Monroe Co., Sect. "F," Barnesville-Woodfield Rd., 3.97 mi., grading B. & C., $30,326;

Muskingum Co., Sect. "Q," National Rd., 2.93 mi., brick, $103,031;

Sect. "R," National Rd., 6.15 mi., brick-concrete, $209,707;

Sect. "S," National Rd., 4.55 mi., brick or concrete, $154,403;

Ottawa Co., Sect. "K," Toledo-Elmore Rd., 0.86 mi., brick, $27,591;

Sect. "E-1," Bowling Green-Pt. Clinton Rd., 0.39 mi., brick, $12,111;

Sect. "F-1," Bowling Green-Pt. Clinton Rd., 0.25 mi., brick, $7337;

Sect. "A," Fremont-Oak Harbor Rd., 0.48 mi., brick, $13,738;

Sect. "E," Fremont-Pt. Clinton Rd., 2.40 mi., brick, $56,084;

Seneca Co., Sect. "A-1," Upper Sandusky-Tiffin Rd., 1.23 mi., brick or bituminous concrete, $35,942;

Sect. "Q," Upper Sandusky-Bellevue Rd., 2.05 mi., bituminous macadam, $30,071;

Van Wert Co., Sect. "C," Van Wert-Ft. Wayne Rd., 4.30 mi, waterbound macadam, $50,142;

Clermont Co, Sect. "I," Ohio River Rd., 4.12 mi., bituminous macadam, $26,689;

Crawford Co., Sect. "L," Galion-Bucyrus Rd., 1.79 mi., brick, $55,247;

Mercer Co., Sect. "C," Celina-Wabash Rd., 1.62 mi., concrete, $39,946;

Vinton Co., Sect. "G-2," McArthur-Athens Rd., 1.06 mi., grading, $9057.

O., Cleveland—(Official)—Until Dec. 19, by Cuyahoga Co., grading, draining and paving Front-Factory St. E. G. Krause, clk.

O., Youngstown—(Official)—Until Dec. 21, by H. Parrock, dir. of serv., paving, curbing, excav., building manholes and catch basins in Hylda, Ravenwood, and Aubindale Sts. from South Ave. to Erie St. F. M. Lillie, city engr.

Wis., La Crosse—(Official)—Until Dec. 15 by B. A. Jolivette, clk., La Crosse Co., building Hunter, North Sparta and West Salem-La Crosse Rds., involving 4825 cu.yd. rock.

Wis., Sturgeon Bay—Until Dec. 20, by J. M. Laurie, highway comr., Door Co., furnishing and delivering crushed stone for roads in 6 twps.

California—Until Dec. 24, by State Highway Comn., Sacramento, paving portion Boulevard at San Diego State Normal School; also building 11 mi. highway in Monterey Co., concrete. A. B. Fletcher, state highway engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Mass., Boston—City let contract paving Fens Pkway. to Warren Bros., 142 Berkeley St., $17,207. Noted Nov. 29.

★Mass., Boston—City let contract building concrete walks to J. McCourt, 46 Walt St., Roxbury, $16,763.

★N. Y., New York—M. M. Marks, boro. pres. let contract regulating and grading Laurel Hill Terrace, to Burnside Contg. Co., 270 Burnside Ave., $17,457; regulating and repaving roadway of 52nd St., from 68 ft. west of Park Ave. to 7th Ave., sheet asphalt on concrete foundation, repaving roadway of Madison Ave., wood block, to Cleveland Trinidad Paving Co., Main St., Flushing, $13,101. Noted Nov. 29.

N. J., Cape May—Bd. Freeholders, Cape May Co., received lowest bid building Sect. 2, gravel road from here to Wildwood from Cassedy & Homan. About $84,879.

★Pennsylvania —(Official)— State Highway Comn., Harrisburgh, let contract building 7857 ft. State-Aid road through Cornplanter Twp., Venango Co., to J. E. Richey, S. W. Cramer and J. McSnow, Franklin, $52,888. Noted Nov. 15.

★Pa., Allentown—City let contract repairing sidewalk and roadway of Hamilton St. bridge over Lehigh River, involving 3777 sq.yd. wood-block flooring and 12,000 sq.ft. concrete, to Shaffer & Ackerman. About $35,000.

★Pa., Phila.—Fairmount Park Comm. let contract grading on site for proposed Art Museum, Old Fairmount Reservoir, to T. Connor. About $20,000.

★W. Va., Fayetteville—(Official)—Fayette Co. let contract grading 3 mi. road in Kanawha Dist., involving 141,000 cu.yd. excav. and 200 cu.yd. masonry, to Henning & Hagestorn, Mullins, 73c. and $8.06 respectively. Noted Oct. 18.

★Ga., Thomasville — City let contract paving streets and building sidewalks, involving 12,000 yd. asphalt; 22,000 sq.yd. cement sidewalks; 23,700 lin.ft. concrete curb and gutter, to West Constr. Co., 10th and Market Sts., Chattanooga, Tenn.

★Ala., Opelika—Lee Co. let contract improving 11.31 mi. Opelika and Leachapoka Rd., part State Trunk Rd. No. 13, involving 51,200 cu.yd. earth excav.; 16,000 cu.yd. sand-clay surfacing, 258 cu.yd. concrete; 842 lin.ft. vitr. clay pipe, to Stanley & Singer, La Fayette, $25,500.

★La., Shreveport—City let contract paving Olive St. from 5th to 21st St. to Kennedy-Olsen Constr. Co., Kansas City, Kan., $60,000.

★Tenn., Chattanooga — Hamilton Co. plans building 1½ mi. highway on Lookout Mountain. Work will be done by convict labor. Noted Aug. 23.

★Ky., Eminence—City let contract building several streets, bituminous macadam, to Southern Asphaltoilene Road Co., 114 South 4th St., Louisville. About $10,000.

★Ky., Owensboro—Davies Co. let contract building Craves Lane Rd., Ware, Livermore, Booneville and Curdsville Twps.; also 2 sections of Hardinsburg Rd., to Montgomery, Perkins & Ellis, and Miller & Woodruff. About $161,000. Noted Nov. 15.

★Ind., Kendalville — (Official) — City let contract paving portions Main and Williams Sts., also certain alleys, to Moellering Constr. Co., Murray St., Ft. Wayne, $45,509. Noted Dec. 6.

★Ill., Rockford—City let contract paving Churchill St., to F. K. Carrico, 1109 Kilburn Ave., $11,000.

★Ia., Des Moines—City let contract paving Douglas and 58th Sts. to Wagner & Co., Union St. Noted Nov. 1.

★Minn., Worthington—(Official)—Nobles Co. let contract graveling 6 mi. Rd. No. 1801 and 6½ mi. Rd. No. 1811 to Lamoreaux Bros., 805-11 Brandeis Bldg., $17,922 plus 10%.

★Kan., Augusta—City let contract paving Augusta St., to Bessler Constr. Co., Winfield, $34,000.

Neb., Kearney—City received low bids paving 10,112 sq.yd., Dist. No. 29, with sheet asphalt from Union Paving & Constr. Co., St. Joseph, Mo., $1.75 per sq.yd.; Young Bros. Constr. Co., Excelsior Springs, Mo., $1.85; E. D. Tyner Constr. Co., Kansas City, Mo., $1.85. Noted Nov. 29.

★Mo., Carthage—City let contract paving streets to McDonald Constr. Co., Moberly, $26,000.

★Mo., Rockport—City let contract paving about 7 mi. streets to Western States Constr. Co., 782½ Brandeis Bldg., Omaha, Neb., $53,400.

★Tex., Dallas—City let contract grading Forest Ave. and building earth embankment in connection with Forest Ave. extension to Moberly & Brown, Dallas, $13,066. Noted Nov. 22.

★Tex., Texarkana—City let contract paving Olive St. from 4th to 19th Sts., about 15 blocks, to Kennedy Constr. Co. About $56,000. Noted Nov. 22.

★Okla., Sapulpa—City let contract paving Bryan and Thompson Aves., to J. E. Nolan, $12,282.

★Okla., Tulsa—City let contract paving several streets, to F. P. McCormick, $325,000.

Streets and Roads (Continued)

★**Oregon**—State Highway Comn., Portland, let contract grading Pacific Highway between Dillard and Myrtle Creek, Douglas Co., 11 mi., to Calvert & Wolke, Grants Pass, $127,520. Noted Nov. 22.

California—State Highway Dept., Sacramento, received low bids grading 8 mi. in Mendocino Co. between Willits and Gould (State to furnish pipe railing, reinforcing steel, etc.), from Erickson & Peterson, Monadnock Bldg., San Francisco, $112,931; Bates & Portland, Crocker Bldg., Oakland, $113,199; A. J. Fairbanks, 268 Market St., San Francisco, $119,945; building 8 mi. highway in Monterey Co. between San Ardo and San Lucas, from G. S. Benson & Sons, 521 Stimson Bldg., Los Angels, $55,002. Noted Nov. 15.

★**Cal, Los Angeles**—City let contract grading and paving with bitulithic, building cement curbs and gutters and rein.-con. culverts in New Hampshire St. between Willshire Blvd. and 8th St., to Fairchild-Gilmore Co., Pacific Electric Bldg., $31,315.

★**Cal., San Diego**—City let contract improving Utah St. from Unas St. to University Ave., including 142,630 sq.ft. 4-in. concrete paving; 2896 sq.ft. cement walk; 575 lin.ft. cement curb, ten 4-in. sewer laterals, thirteen 6-in. sewer laterals, 2676 ft. 6-in. Class A water pipe, etc., to G. R. Daley, 440 McNiece Bldg., $24,707. Noted Nov. 29.

★**Cal., San Francisco**—City let contract building portion Hunter's Point Rd., to H. Crummey, Inc., Hearst Bldg., $17,282.

★**Ont., Toronto**—City let contract supplying cement for coming year to Hanover Portland Cement Co. About $2.45 per bbl.

RAILWAYS—STEAM & ELECTRIC

Proposed Work

Florida—Kissimmee River R.R., Kissimmee, organized with $100,000 capital stock, plans to build line from Walinwa to Polk Co., about 7 mi. J. A. Griffin, pres.

Texas—Dallas Ry., Dallas, plans to spend about $1,000,000 for extending and improving its lines. Among improvements to be made are following: Rebuilding double-track and paving in Oak Cliff on Jefferson Ave. from Lancaster to Polk; rebuilding track on Main St. between Poydras and Ervay; new storage tracks at Oak Cliff car barns; removal of tracks on Hickory St. between Harwood and Latimer St. and on Corinth St. between Akard and Cockrell St.; double-track extension of Oak Lawn line on Cedar Springs from Oak Lawn Ave. to Throckmorton St.; extension of Lake Ave. line from Fairmount to Oak Lawn Ave.; new line on Forest Ave.; new improvements, extensions and betterments of terminals at State Fair Grounds, etc. F. M. Bisbee, Amarillo, ch. engr.

Washington—City Council, Tacoma, voted to extend Municipal Ry. from 11th St. and Taylor Way to Lincoln Ave., about 1 mi. Cost, $20,000.

California—Municipal Ry., 2600 Geary St., San Francisco, plans to build 3 additional blocks of tracks here in order that cars on Greenwich St. may reach Baker St. entrance to Presidio and go to terminus of system in Presidio reservation. About $25,000.

EXCAVATION AND DREDGING

Proposed Work

Miss., Greenville — Drainage — Murphy Bayou D.D. recently organized plans to build system to drain 50,000 acres in Washington Co. Morgan Eng. Co., engrs., 608 Goodwyn Institute Bldg., Memphis, Tenn., making surveys.

Ill., Havana — (Official) — Drainage — Comrs. Chautaqua Drainage and Levee Dist., Mason Co., rejected all bids building drainage system; Sect. 1, Illinois River Levee, involving 1,461,000 cu.yd. embankment, 138,000 cu.yd. exploration trench; Sect. 3, planting willows for levee protection on 9-mi. graded bature-berm. H. Hahn, comr. Work will be readvertised. Noted Nov. 5.

Ia., Corning—Drainage—Adams Co. having preliminary surveys made by Price & McCormick, engrs., for East Nodaway Drainage Project; involving 500,000 cu.yd. excav. F. W. Yeadon, co. aud.

Minn., Montevido — (Official) — Ditch — Chippewa Co. rejected all bids received Dec. 1, building Co. Ditch No. 22. J. J. Stennes, co. aud. Noted Nov. 22.

Cal., Sacramento—Ditch—State Reclamation Bd. approved plan to build drainage ditch on lower Cosumnes River. About $10,000.

BIDS DESIRED

Ia., Jefferson—Drainage—Until Dec. 17, by Greene and Webster Cos., furnishing tile for joint D. D. No. 221, involving 104,440 ft. 5-36-in. tile, 300 ft. sewer pipe, etc. B. S. McCully, aud. Greene Co., J. L. Hanrahan aud., Webster Co.

Ark., Pine Bluff—Drainage—Until Dec. 20, by Comrs. Flat Bayou D.D., Jefferson Co., at office of Parkes Eng. Co., engrs., 203 Citizens Bank Bldg., Pine Bluff, building main and lateral ditches, involving 695,519 cu.yd. excav. J. H. Quattlebaum, comr. Noted July 12.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract

N. Y., New York—Excavation—F. J. H. Kracke, comr. plant and structures, Municipal Bldg., received low bids excavating and dredging at site of Eastchester Bridge from P. T. Coy Contg. Co., 150 Nassau St., $9770; Rodgers & Hagerty Co., 103 East 125th St., $9800. Noted Nov. 29.

★**Minn., Litchfield**—(Official) — Ditch—Meeker Co. let contract building Co. Ditch No. 47 to Duffy & McGraw, Litchfield, $22,250. Noted Nov. 29.

★**Minn., Minneapolis**—Ditch — Hennepin Co. let contract building Co. Ditch No. 30, involving 55,569 cu.yd. excav., to Carroll & Cowan, Minneapolis, 27.5c. per cu.yd.

Kan., Salina—(Official)—Drainage—Bd. Supervs. D.D. No. 1, Salina Co., received bids building drainage system, involving 87,250 cu.yd. excav., etc., from P. C. Buskirk, Hutchinson, $0.14½ per cu.yd. (recommended for acceptance); time, 180 days; H. E. Badger, Omaha, Neb., $0.15 on line (a) and (b); cost plus 15% on remainder; 100 days; A. L. Cook, Ottawa, $0.19. Noted Nov. 15.

★**Tex., Barstow** — Irrigation — Ward Co. Irrigation Dist. No. 1 let contract building irrigation canal in Dist. No. 1, to W. E. Hamilton, Ft. Stockton. About $21,198. Noted Nov. 15.

INDUSTRIAL WORKS

Proposed Work

R. I., Warren—Warren Mfg. & Exporting Co. plans 3-story, 100 x 180-ft. addition, North Main St. and Pleasant Pl. About $75,000.

N. Y., Brooklyn—D. F. Edgerly, 378 7th Ave., had plans prepared for 1-story, 101 x 107-ft. brick garage, Nostrand Ave. near Montgomery St. About $30,000.

N. Y., Buffalo—Automatic Transportation Co., 2933 Main St., plans 2-story, 35 x 150 ft. machine shop.

N. Y., Buffalo—G. Lang Brewery Co., 400 Best St., had plans prepared by J. C. Schultz, archt., 1370 Main St., for 2-story, 60 x 88-ft. bottling plant, 397 Dodge St. About $25,000.

N. Y., Long Island City—First Ward Ice Co., 9th Ave., had plans prepared by F. Korfman, archt., 409 9th Ave., for 2-story, 125 x 200-ft. addition to plant and garage. About $35,000.

N. Y., New York — Sussman Holding Corp., 448 East 167th St., having plans prepared by C. Schaefer, archt., 529 Courtland St., for 2-story, 98 x 108-ft. garage. About $30,000. B. Sussman, pres.

N. Y., Utica — Utica Steam Engine & Boiler Wks., 726 Whitesboro St., had plans prepared by C. Kiehm, archt., Gardener Bldg., for 1-story, 46 x 96-ft. factory. About $88,500.

N. Y., Watertown—Water Bd. had plans prepared by S. M. Greene Co., archts. and engrs., 293 Bridge St., Springfield, Mass., for power plant. About $300,000. J. W. Knowlton, pres.

N. J., Elizabeth—W. A. Clark Wire Co. had plans prepared for 2-story, 105 x 177-ft. machine shop. About $100,000.

N. J., Irvington—Irvington Varnish & Insulator Co., 218 East Speedway Ave., plans 1-story brick factory. About $25,000.

N. J., Jersey City—Hudson Co. Blvd. Com. plans to improve and enlarge lighting plant at Snake Hill. About $150,000. F. Hogue, comr.

N. J., Jersey City—Jersey City Co-Operative Bakers' Assn. having plans prepared by G. A. Flagg, archt., Spingarn Bldg., for 1-story, 100 x 190, and 2-story, 40 x 100-ft. brick and terra cotta warehouse. About $40,000. F. Frasch, 123 Harrison St., Hoboken, pres.

N. J., West Orange—Edison Storage Battery Co., Valley Rd., has increased capital stock from $3,500,000 to $5,000,000 and plans addition.

Pa., Pittsburgh—W. Harley, Brookline Blvd., soon lets contract for storage warehouse. About $35,000. C. R. Geisler, Hostetter Bldg., archt.

Del., New Castle—Wilmington Fibre Specialty Co. plans to rebuild its plant recently destroyed by fire. About $200,000.

Del., Wilmington — Pyrites Co., Ltd., Christiana Ave., plans to rebuild factory recently destroyed by fire. About $75,000.

W. Va., Charlestown—Powhatan Brass Fdry. & Iron Wks. soon lets contract for 1-story addition. A. B. Mullett & Co., Union Trust Bldg., Washington, D. C., archt.

N. C., Elizabeth—Elizabeth City Hosiery Mill Co. plans mill. About $50,000. P. H. Williams, supt.

S. C., Mt. Pleasant—Southern Shipbuilding Co., organized by New York capitalists, issued $250,000 bonds, and plans factory.

Ga., Savannah—Schaffer Baking Co. soon lets contract for 4-story, 60 x 90-ft. plant. About $45,000. C. D. Cooley Co., Century Bldg., Pittsburgh, archts. and engrs.

Ala., Birmingham—Natl. Steel Products Co., plans factory, 8th Ave., between 26th and 28th Sts. About $25,000. R. S. Bohannon, pres.

Ky., Louisville — Reciprocating Electric Tool Co., incorporated with $100,000 capital stock, plans to build factory. J. J. Roberts, 412 Courier-Journal Bldg., in charge.

O., Akron—A. B. Smith Piano Co., 270 Main St., soon let contract for 7-story factory. About $100,000. W. C. Owen & Co., 1900 Euclid Ave., archts.

O., Barberton—Portage Rubber Co., West Barberton St., has increased its capital stock from $3,000,000 to $10,000,000 and plans to build additions to its plant. A. Wildman, genl. mgr.

O., Bedford—Wheeling & Lake Erie R.R., Cleveland, acquired 100 acre site here and plans to build large freight yards. W. L. Rohbock, ch. engr.

O., Cincinnati—T. Foeld, c/o Ferro Concrete Co., archts., 9th and Harriet Sts., plans 3-story, 50 x 150-ft. service and sales station.

O., Cincinnati—Seaton Realty Co., East 4th St., plans 3-story, brick and concrete garage, 1024-36 Gilbert Ave. About $30,000.

O., Cleveland—Cleveland Bldrs. Supply Co., Leader News Bldg., purchased tract of land on lake front, and plans to build concrete dock warehouse and other buildings.

O., Cleveland—J. Heller, 2326 Lorain Ave., soon lets contract, 3-story, 40 x 135-ft. factory and store, 1909 West 25th St. About $50,000. W. Markowitz, 403 United Bank Bldg., archts.

O., Dayton—Pennsylvania Lines West of Pittsburgh, purchased 18 lots near Freemont Ave. and Walnut St., and plan to build freight depot here. About $114,000. T. Rodd, Pittsburgh, ch. engr.

O., East Cleveland—(Cleveland P. O.)—Cleveland Tractor Co., Euclid and Lamb Aves., soon lets contract for 2-story, 225 x 575-ft. factory. About $300,000. G. S. Rider & Co., Century Bldg., Cleveland, archts.

Industrial Works (Continued)

O., Lakewood—Motor Service Co., recently incorporated with $150,000 capital stock, purchased site at Detroit and Newman Sts., and plans 2-story garage and service plant.

O., Warren—Warren Tribune Co. soon lets contract for 2-story, 35 x 100-ft. printing plant here. About $30,000. Miller & Son, Dollar Bank Bldg., archts.

Ind., Anderson—Remy Electric Co. having plans prepared by Schenck & Williams, archts., Arcade Bldg., Dayton, for two 4-story, 50 x 300 and 60 x 312-ft. factories. A. Atwood, gen. mgr.

Ind., Indianapolis—The Weidely Mfg. Co., Georgia and Shelby Sts., has increased its capital stock from $600,000 to $1,100,000 and plans to build an addition to its plant.

Ind., Richmond — Pennsylvania Lines West Pittsburgh soon lets contract freight depot, machine and paint shops. About $125,000. Thos. Rodd, Union Station, Pittsburgh, ch. engr. H. Foltz, 1456 Lemcke Annex, Indianapolis, archt.

Mich., Carrolton—Saginaw Shipbuilding Co. plans to increase capital stock from $350,000 to $500,000 and build addition.

Mich., Detroit—American Car & Foundry Co. plans 1-story, 160 x 195-ft. artillery machine shop and assembling plant addition. About $30,000. J. H. Ames, 445 East Ferry Ave., constr. engr.

Ill., Chicago—Hotpoint Electric Heating Co. plans factory. About $250,000. J. R. Richardson, mgr.

Ill., East Alton—Consolidated Chemical Products Co., soon lets contract for 4-story, 100 x 200-ft. factory. About $150,000. I. W. Brandle, c/o Alton Bd. Trade, Alton, mgr. J. W. Randell, Alton, engr.

Ill., Springfield—Illinois Watch Co., 9th St. and North Grand Ave., plans 4-story, 40 x 146-ft. factory on 9th St.

Ia., Keokuk—Standard Four Tire Co. plans to increase its capital stock to $3,500,000 and build 80 x 400 ft. factory. C. J. Kirch, pres.

Kan., Salina—Butzer Packing Co. increased its capital stock to $450,000, and plans to build several additions. W. Butzer, pres.

Kan., Salina—Robinson Milling Co., recently incorporated, having plans prepared for mill and elevator. About $250,000. Address C. E. Robinson.

N. D., Valley City—City plans to build heating plant. About $60,000. W. Doud, 39 West Van Buren St., Chicago, engr.

Mo., St. Louis—Dazley Churn Mfg. Co., 4301 Warne Ave., soon lets contract for 2-story, 125 x 200-ft. factory. About $45,000. O. KuBatzky, 6240 Arundel Pl., archt.

Mo., Sedalia—Swift & Co., Union Stock Yards, Chicago, having plans prepared by H. H. Jilson, archt., for 4-story addition to packing plant. About $150,000.

Ark., Pine Bluff—H. C. Couch, D. B. Niven and E. B. Bloom, all of Pine Bluff, will organize company with $100,000 capital stock and build cotton mill here.

Tex., Amarillo—City plans election to vote on $200,000 bond issue to build electric light plant.

Utah, Salt Lake City—F. C. Richmond Machine Co., 117 West 2nd St., plans 2-story rein.-con. warehouse. About $90,000.

Ore., Pringle Falls—White Pine Lumber Co., Bend., had plans prepared for lumber mill, and hydro-electric power plant. About $140,000.

Cal., Santa Barbara—City plans to build power plants at Mission and Gibralter Canyons. About $146,368 and $66,000 respectively.

Que., Montreal—Dominion Cement Co., 92 Notre Dame St., E., plans to build large cement plant. About $100,000. J. A. Vinet, secy. treas.

Ont., Paris—Alabastine Co., William St., plans to rebuild factory recently destroyed by fire. About $35,000.

Ont., Sarnia—Holmes Fdry. Co. plans to build plant here. About $70,000.

B. C., Maillardville — Canadian Swift Packing Co. plans plant here. About $750,000.

BIDS DESIRED

N. Y., Bedford Hills—(Official)—Until Dec. 14, by W. G. Barrett, pres. bd. mgrs., New York State Reformatory for Women, remodeling present laundry building for meat storage and refrigerating equipment; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Edison Electric Illuminating Co., 39 Boylston St., let contract 5-story substation on Chauncey St., to G. E. Macomber Co., 44 Bromfield St.

Conn., Middletown—Mattabosset Brewing Co., c/o S. P. Moscalitts, 84 Veteran St., Meriden, received lowest bid building 5-story, 80 x 88-ft. concrete brewery, from S. Mazzota, 90 Spring St., $75,000. Noted Oct. 11.

★**N. Y., Brooklyn**—See "Buildings."

★**N. Y., Brooklyn**—L. Leavitt, 454 Driggs Ave., let contract, 3-story, 100 x 125-ft. brick factory, Driggs Ave. and North 11th St. to Selberman, Schampain Co., 104 West 42nd St., New York City, $70,000.

★**N. Y., Central Islip**—State Hospital Comn., Albany, let contract building power house, to B. Raynor, Locust Ave., Islip, $150,000. Noted Nov. 8.

★**Pa., Carnegie**—Aetna Chemical Co. let contract building power house and 100-ft. radial brick stack, to W. W. Lindsay Co., Harrison Bldg., Phila.

★**Pa., Masontown**—Youngstown Sheet & Tube Co., Youngstown, O., let contract coal development plant to Dravo Contg. Co., Diamond Bank Bldg., Pittsburgh, $1,500,000.

★**Pa., Phila.**—A. Schoenut & Co., Adams and Sepviva Sts., let contract for 1-story, 58 x 140-ft. lumber yard, and 40 x 89-ft. kiln building to P. Haiback Contr. Co., 26th and Thompson Sts., $50,000. Noted Dec. 6.

★**Del., Wilmington** — (Official) — Atlas Powder Co. let contract sulphuric-acid plant at Forcite, N. J., including 92 x 100-ft. absorber house, 94 x 110-ft. burner and purification house, 28 x 30-ft. blower house and 62 x 126-ft. preheater and converter house to Austin Co., 14230 Euclid Ave., Cleveland, O.

★**Md., Baltimore**—(Official)—Amer. Propeller & Mfg. Co., 233-49 East Hamburg St., let contract 1 story, 150 x 200 ft. factory on Key Highway, to Price Constr. Co., Maryland Trust Bldg. About $50,000. Item in issue of Dec. 6 an error.

★**O., Cleveland**—Natl. Carbon Co., 117th St. and Madison Ave., let contract 3-story, 40 x 100-ft. factory, to Honkin Conkey Constr. Co., Cuyahoga Bldg., $60,000.

★**O., Columbus**—Scioto Rubber Co., 373 5th Ave., let contract 1-story, 213 x 166-ft. addition to Frankenberg Constr. Co., 705 Columbus Savings & Trust Bldg., $50,000.

★**O., Youngstown**—Amer. Sintering Co., 10 Poland Ave., let contract rebuilding plant recently destroyed by fire, to Stone & Webster, 511 Stambaugh Bldg. New building will be 6 stories. Noted Nov. 29.

★**Ind., La Fayette**—Indiana Lighting Co., 6th and Ferry Sts., let contract for 2-story addition, to A. E. Kemmer, 644 North 7th St., $25,000.

★**Wis., Menasha**—Menasha Wire & Mfg. Co. let contract, 2-story, 44 x 107-ft. factory to A. Bluehl, 424 2nd St. About $25,000. Noted Nov. 22.

★**Wis., Milwaukee**—Milwaukee Forge & Machine Co., 224 Lake St., let contract for 2 brick and concrete shops, to Northwestern Bridge & Iron Co., 127 South Water St., $60,000. Noted Nov. 15.

★**Tex., Port Arthur**—Port Arthur Cooperage Co. let contract 100 x 100-ft. frame and concrete factory, to Secrest Constr. Co., Port Arthur.

★**Okla., Oklahoma** — McClelland-Gentry Motor Co., 725 North Bway., let contract for 3-story, 75 x 140-ft. brick and rein.-con. garage, 8th St. and Bway., to Campbell & Price, 610 Majestic Bldg. About $85,000.

★**Wash., Seattle**—Fidalgo Island Packing Co. let contract for factory to M. J. Johnson, Lesch Park, $35,000.

★**Wash., Spokane**—Sperry Flour Co., 662 Mallon St., let contract building m... to Burrell Eng. Co., 323 South La Salle St., Chicago, $350,000. Noted Nov. 1.

★**Wash., Tacoma**—Griffith Motor Co., Bway., let contract for 3-story, 50 x 1...-ft. brick and concrete garage and sale... to J. E. Bonnell, 760 Commerce St., $3...

★**Cal., Los Angeles**—Amer. Can Co., 1801 Santa Fe St., let contract 1-story, ... x 391-ft. addition to warehouse, to Leo... & Peck, 72 H. W. Hellman Bldg. About $40,000. Noted Dec. 6.

★**Que., Maisonneuve** — J. I. Chouinard, 330 Notre Dame St., E., Montreal, let contract for factory here, to A. Gratton, 142 5th Ave., about $100,000.

★**Ont., Galt**—Canada Machinery Corp., Concession and Water St., S., let contract addition to foundry to P. H. Secord & Son, Sydenham Bldg., Brantford, $30,000.

★**Ont., Toronto** — Toronto Type Co., 70 York St., let contract for warehouse, to S. L. Yolles, Confederation Life Bldg., about $75,000.

★**B. C., Vancouver**—See "Buildings."

BUILDINGS

Proposed Work

Mass., Randolph—Hospital—Norfolk Co. Dedham, plans tuberculosis hospital on Canton St., here. About $150,000.

Conn., Hartford—School—Bd. Educ. having plans prepared by E. T. Wiley, archt., 75 Pratt St., for addition to Wilson School.

Conn., New Haven — Temple — Masonic Temple Assn. had plans prepared by C. F. Townsend, archt., 129 Church St., for 3-story, brick and marble, York St.

Conn., Waterbury — School — Bd. Educ. had plans prepared by J. T. Smith, archt., 36 North Main St. About $60,000.

N. Y., Brooklyn—Hospital—Zion Hospital, 2140 Crospey Ave., plans to build new hospital at 45th St. near 17th Ave. L. D. Greenfield, pres.

N. Y., New York—Y. M. C. A. having plans prepared by J. F. Jackson, archt., 1328 Bway., for 6-story, brick and stone, 179 West 135th St. About $100,000. Address Dir. Y. M. C. A., 215 West 23rd St.

N. Y., New York—Y. W. C. A. having plans prepared by J. J. Petit, archt., 103 Park Ave., for 6-story, 100 x 150-ft. brick and stone, 137th St. near 7th Ave. J. S. Cushman, 600 Lexington Ave., pres.

N. J., North Bergen—School—Bd. Educ. having plans prepared by Hensel & Weir, archts., 809 Savoye St., West Hoboken, for 2-story, 130 x 140-ft. brick and terra cotta. About $60,000. O. Smith, Town Hall, pres.

Pa., Chadd's Ford—School — Bd. Educ. having plans prepared by V. T. Ritter, archt., North American Bldg., Phila., for 2-story, 85 x 150-ft. brick.

Pa., Chester—Manual Training School—Bd. Educ. plans 4-story. About $300,000.

Pa., Roxborough — Hospital — St. Timothy's Memorial Hospital plans to issue $50,000 bonds to build addition.

S. C., Rock Hill—Church — 1st Baptist congregation plans. About $70,000. J. P. Tucker, pastor.

O., Akron — (Official) — Schools — Bd. Educ. to sell $125,000 bonds Dec. 27, to build schools. J. F. Barbhart, clk.

O., Akron—Theater—L. O. Beck, 333 Akron Savings & Loan Bldg., representing company, had plans prepared by A. H. Good, archt., 511 Flatiron Bldg., to construct theater. About $600,000. Gehres & Ritchie, 335 Akron Saving & Loan Bldg., survs.

O., Cincinnati—Banquet Hall and Auditorium—City having plans prepared by Elzner & Anderson, archts., Citizens Bldg. About $125,000.

O., Cleveland — Store — See "Industrial Works."

O., Columbus—Hotel and Store—Grant Realty Co., 1010 Hayden Bldg., soon lets contract 12-story, 62 x 93 ft. About $350,000. M. Peterman, Gobey Bldg., archt.

Buildings (Continued)

O., **Dayton**—Church, Etc.—Holy Family Congregation having plans prepared by W. L. [illegible], archt., 1300 U. B. Bldg., and Prof. Murphy, 1413 8th St., Wash., D. C., associate archt. About $85,000.

O., **Deshler**—Grade and High School—Bd. Educ. having plans prepared by C. W. Bellman, archt., 812 2nd Natl. Bank Bldg., Toledo, for 2-story, 70 x 117 ft. About $60,000.

O., **Hubbard**—High and Grade School—Bd. Educ. lets contract in January for 2-story. About $110,000. Miller & Son, Dollar Bank Bldg., Youngstown, archts. Noted June 7.

O., **Lima** — Community House—Redemptorist Fathers, 1201 North Main St., soon let contract, 3-story, 101 x 146-ft. J. G. Behr, rector. A. C. De Curtins, 503 Opera House Blk., archt.

O., **Toledo** — Exchange—Central Union Telephone Co., 1042 Nicholas Bldg., having plans prepared by Mills, Rhines, Bellman & Nordhoff, archts., 1234 Ohio Bldg., for 2- and 3-story, 50 x 120 ft., Geneva and Arlington Sts. About $110,000. A. J. Mellon, dist. mgr.

Ind., Indianapolis — Hospital — City had plans prepared by A. Scherrer, Sr., archt., for 2-story, brick and concrete. About $90,000.

Wis., Kenosha — Hospital — Dominican Sisters, 322 Congress St., having plans prepared by White, White & White, 414 Pub. Serv. Bldg., archts. About $100,000.

Wis., Milwaukee—Sanatorium — Milwaukee Co. Comrs. having plans prepared by Marshall & Fox, archts., 706 Lincoln Pkwy., Chicago, for Muirdale Sanatorium. About $75,000. L. G. Widule, co. aud.

Wis., Washburn — Sanatorium—Ashland and Bayfield Co. Bds. appropriated $100,000 to build sanatorium.

Ia., Archer—School—Bd. Educ. had plans prepared by Marten & Sutherland, archts., Security Bank Bldg., Storm Lake, for 2-story. About $50,000.

Ia., Emmetsburg—Hotel—Business Men's Comn. having plans prepared by Sawyer & Watrous, archts., 303 Watrous Blk., Des Moines for 3-story, 72 x 120-ft. brick and rein.-con. About $60,000. S. C. Irvine, pres.

Ia., Pella—Dormitory, Auditorium, Etc.—Central College plans, brick and stone. About $125,000.

Minn., Duluth—School—Bd. Educ. plans to build, 8th Ave. and East 13th St. About $100,000. Croff & Boerner, archts.

Minn., Lakefield — High and Manual Training School—Bd. Educ. soon lets contract. K. T. Snyder, 933 Plymouth Bldg., Minneapolis, archt.

Minn., New Ulm—City Hall—City voted $50,000 bonds to build city hall. W. Backner, city clk. Noted May 31.

Minn., St. Paul—Church—St. Mark's Congregation had plans prepared by J. T. Comee, archt., Reshaw Bldg., Pittsburgh, for 1-story, 70 x 135-ft. About $100,000. J. A. Corrigan, 1996 Marshall Ave., pastor.

Kan., El Dorado—Hotel — North American Hotel Co., Bee Bldg., Omaha, Neb., plans 7-story, brick and rein.-con. About $300,000. Bankers' Realty Investment Co., Bee Bldg., Omaha, Neb., archts.

Kan., Kansas City — Stations — Kansas City Terminal Ry. Co. soon lets contract for 2 passenger stations. About $50,000. J. V. Hanna, 209 Union Station, Kansas City, Mo., ch. engr.

Kan., Peabody—High School—Bd. Educ. soon lets contract for 2-story, 65 x 110-ft. addition. About $50,000. G. W. Van Meter, 604 Murdock Bldg., Wichita, archts. Noted Nov. 29.

Mo., St. Joseph—Store—J. Geiger, M. D., 614 Francis St., plans 5-story, 107 x 123-ft., brick, stone and rein.-con. About $200,000. W. Boschen, Tootle-Lemon Bank Bldg., archt.

Tex., Wichita Falls—Asylum—State soon lets contract building Northwest Texas Insane Asylum here. About $400,000.

Okla., Tulsa—Bank and Office—1st Natl. Bank, c/o Rush, Endicott & Rush, archts., 226-27 Unity Bldg., soon lets contract, 10-story, 50 x 140 ft. About $500,000.

Idaho, Caldwell — Office — C. H. Sebree having plans prepared by R. E. Field, archt., for 5-story. About $80,000.

Ariz., Phoenix — Hospital—Deaconness Hospital having plans prepared by N. F. Marsh, archt., 211 Bway., Central Bldg., and C. O. Wallingford, assoc. archt., Phoenix, for 2-story, 40 x 60-ft. rein.con. hospital with 40 x 120 ft. wings. About $75,000.

Wash., Seattle — Library — Bd. Regents, State University, Stuart Bldg., Seattle, plans. About $100,000.

Wash., Tacoma—Y. M. C. A. having plans prepared by G. W. Bullard, archt., Provident Bldg., for 6-story, 49 x 120-ft. and 2-story, 50 x 50-ft. addition, Market St. About $75,000.

Cal., San Francisco—See "Miscellaneous."

BIDS DESIRED

N. Y., Brooklyn—Court House — Until Dec. 18, by L. H. Pounds, boro. pres. altering and improving Kings Co. Court House, Fulton and Livingston Sts.

N. Y., Brooklyn—Hospital — Until Dec. 19, by State Hospital Comn., Capitol, Albany, building chronic building and dining room at Brooklyn State Hospital. Cost between $150,000 and $200,000. E. S. Elwood, secy. L. F. Pilcher, Capitol, Albany, state archt.

N. Y., Syracuse—School—Until Dec. 24, by Bd. Educ. rebuilding Porter School, 2- and 3-story, 512 Emerson Ave. About $320,000. G. H. Fairchild, pres. G. Wright, Union Bldg., archt. Noted Sept. 13.

N. Y., Wingdale—(Official)—Prison—Until Jan. 10, by Comn. New Prisons, Hall of Records, Bldg., Centre and Chambers Sts., New York City; advertised in this issue.

Pa., Harrisburg — High School — Until Dec. 21, by Bd. Educ., building 1- and 3-story, 40 x 100-ft. addition. About $60,000. D. B. Hammelbaugh, 121 Chestnut St., secy. M. I. Kast, 122 Market St., archt.

Ga., Milledgeville—(Official)—Sanitarium—Until Dec. 19, by Bd. Trustees Georgia State Sanitarium. Noted Nov. 1.

Minn., Austin—Hospital—Until Dec. 17 by St. Olaf's Hospital, 908 Lansing St., 3-story, 44 x 100-ft., brick and rein.-con. About $50,000. C. C. Sedgwick, Lumber Exch. Bldg., Minneapolis, archt. Noted Nov. 22.

Minn., Dodge Center—Home—Until Jan. 8, by G. L. Taylor, aud. Dodge Co., Montonville, 2-story, 40 x 100-ft. brick Home for Poor. About $50,000. Alden & Harris, 1011 Ex. Bank Bldg., St. Paul, archts. Noted Oct. 18.

Mont., Twin Bridges — Dormitory—Until Dec. 21, by C. T. Stewart, secy. bd. examiners, Helena, building dormitory at State Orphans' Home. F. F. Wilson, Bozeman, archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. H., Nashua**—High School—Bd. Educ. let contract 3-story, 152 x 183-ft. brick and stone, school and auditorium, to Nashua Bldg. Co., Nashua, $200,000. Noted Nov. 29.

★**N. Y., Brooklyn**—Office, etc.—New York Dock Co., ft. Montague St., let contract, 2-story, 49 x 115-ft. office building, and 1-story, 30 x 310 x 20 x 200-ft. freight shed, to Turner Constr. Co., 242 Madison Ave., New York City, $75,000.

★**N. Y., Brooklyn** — Theater — Putnam Theatrical Corp., 1493 Bway., New York City, let contract to Fleischman Constr. Co., 531 7th Ave., New York City, $600,000.

N. Y., New York—Infirmary—Dept. of Correction received bids Dec. 10, completion of alterations to south wing and central west wing of workhouse, Blackwells Island, from Rangeley Constr. Co., Inc., 405 Lexington Ave., $102,162; Marble Arch Co., 216th St. and Bway., $109,500; Pershing Constr. Co., Inc., New York City, $113,790. Noted Oct. 11.

★**N. Y., New York**—Office—New Jersey Zinc Co., 55 Wall St., let contract on Front St. and Maiden Lane, to W. L. Crow Constr. Co., 103 Park Ave. Noted Oct. 18.

★**N. Y., Pomfert** — Hospital — Newton Memorial Hospital let contract, 2- and 3-story, brick and concrete, to E. J. Bailey, Brocton, $135,000. Noted Sept. 6.

★**O., Cleveland**—Office—Smythe Bldg. Co., Erie Bldg., let contract, 2-story, 95 x 130-ft. brick and steel, Euclid and East 4th Sts., to A. M. Allen & Co., 1900 Euclid Ave. Cost, between $300,000 and $325,000.

★**Ind., Lafayette** — Hospital — Bd. Dir. Home Hospital let contract 4-story, to A. E. Kemmer, Lafayette. About $115,000. Noted Sept. 20.

★**Ia., Iowa City**—Office and Store—F. A. Dey Estate, c/o C. Dey, 507 North Clinton St., let contract to C. Franklin, 510 South Gilbert St. About $50,000.

★**Minn., Rochester**—Sanitarium—Kahler Roberts Corp., c/o J. H. Kahler, Zumbro Hotel Co., let contract 4-story, to G. Schwartz, Stebbens Bldg.

★**Okla., Tulsa**—Theater and Office—O. W. Edwards, c/o J. C. Thompson, archt., 220 Iowa Bldg., let contract building 10-story, 80 x 190 ft., to Stone Co., Inc., 310 Bank Commerce Bldg., Toledo, O., $500,000.

Wash., Tacoma—Store—See "Industrial Works."

★**Cal., Alameda** — Theater — J. Hamblen let contract to G. W. Stewart, 3010 Central Ave. About $65,000.

★**Ont., Galt**—Bank—Merchants Bank, Montreal, let contract, 2-story, to Schultz Bros. Co., Ltd., 17 Albion St., Brantford, $60,000.

★**B. C., Vancouver**—Depot, Etc.—Canadian Northern Ry. let contract building depot, rein.-con. platforms and train sheds, at False Creek, to Northern Constr. Co., Ltd., 606 Union Bank Bldg., Winnipeg, and Carter-Halls-Aldinger Co., 1010 Union Bank Bldg., Winnipeg, $1,000,000 and $150,000 respectively.

FEDERAL GOVERNMENT WORK

Proposed Work

Pa., Fort Mifflin—Wooden Pier and Bulkhead—Bureau Yards and Docks, Navy Dept., Wash., plans to build wooden pier and bulkhead. About $30,000; Specification No. 2735.

Wash., D. C.—Magazine Buildings and Steel Houses—Bureau Yards and Docks, Navy Dept., plans to build 3 magazine buildings and 2 steel houses at St. Julien's Creek. About $15,000; Specification 2741.

Wyo., Buffalo—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., rejected bids opened Nov. 30. Same was in excess of appropriation. Noted Dec. 6.

Wash., Puget Sound—(Bremerton P. O.)—Buildings—Bids will soon be received at Navy Yard, Puget Sound, for extension to Building No. 102. Specification 2738.

BIDS DESIRED

N. Y., Brooklyn—Electric Traveling Cranes—Until Jan. 7, by Bureau Yards and Docks, Navy Dept., Wash., installing electric traveling cranes in machine shop, Navy Yard. About $76,000. Specification No. 2720. Noted Nov. 20.

N. Y., Owego—Post Office — Until Jan. 14, by J. A. Wetmore, superv. archt., treas. dept., Wash.; advertised in this issue.

Md., Indian Head—Extension to Power House—Until Dec. 17, by Bureau Yards and Docks, Navy Dept., Wash., building extension to power house. About $29,000; Specification No. 2722. Noted Dec. 6.

Wash., D. C.—Electric Traveling Cranes—Until Dec. 17, by Bureau Yards and Docks, Navy Dept., Wash., furnishing under Specification No. 2734, electric traveling cranes at navy yard.

Wash., D. C.—Tower and Buildings—Until Dec. 17 (extension of date), by Bureau Yards and Docks, Navy Dept., building range-finding tower and reconstructing buildings Nos. 105 and 112; Specification No. 2680. Noted Dec. 6.

Wash., D. C.—Wreck Removal—Until Dec. 21 by U. S. Eng. Office, 305 Southern Bldg., removing wreck of Barge Tangier from York River, Va.; advertised in this issue.

Federal Government Work (Continued)

Fla., Jacksonville — Jetty Work — Until Jan. 5, by U. S. Engr. Office, Masonic Temple, Jacksonville, furnishing about 62,000 tons stone and raising outer portion of jetties at entrance to St. Johns River, Fla.

Tenn., Memphis—Steel Barge—Until Dec. 17, by Mississippi River Comn., 1st and 2nd Dists., Customhouse, Memphis, building and delivering 1 steel barge No. 1719; advertised in this issue.

Cal., San Diego—Fuel Oil System—Until Dec. 24, by Bureau Yards and Docks, Navy Dept., Wash., installing fuel-oil system (addendum "C"); Specification No. 2562.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

R. I., Newport—Garage—Bureau Yards and Docks, Navy Dept., Wash., received bids Dec. 10, building at Naval Training Sta., (a) work complete; (b) amount added or deducted from (a) for addition or deduction of one 13-ft. bay, from T. F. Pheer, 159 Washington St., N., Newport, (a) $11,997; (b) add $1000; J. A. Monroe, North Attleboro, Mass., (a) $13,315; (b) add $1,800, deduct $1400; Darling-Slade Co., Contrs. Bridge, Newport, (a) $13,720; (b) add $1700. Noted Nov. 29.

★**Conn., New Haven**—Storehouse and Garage—Bureau Yards and Docks, Navy Dept., Wash., let contract building at Submarine Base, Sect. 1, to M. J. Gibbud Co., 107 Water St., New Haven, $3516.

Conn., New London—Cranes — Bureau Yards and Docks, Navy Dept., Wash., received bids Dec. 10, installing at Submarine Base, (a) 3 cranes complete; (b) one 5-ton crane; (c) one 2-ton and 1-ton crane, from N. B. Payne, New York City, (b) $7500; (bid informal, no certified check); Chesapeake Iron Wks., West Port, Md., (b) $10,800; Cameron Engr. Co., East Stroudsburg, Pa., (c) $900. Noted Nov. 29.

★**Conn., New London**—Removing Wall—Commander Submarine Base, New London, let contract removing wall to B. E. Savage, 30 Dewey St., Worcester, Mass., $3700. Noted Nov. 29.

★**N. Y., Brooklyn**—Fitting Out Cranes—Bureau Yards and Docks, Navy Dept., Wash., let contract one 350-ton fitting-out crane to be installed in Navy Yard, here, to McMyler-Interstate Co., Bedford, O., $841,125. Noted Nov. 29, under "Wash., D. C."

★**N. J., Lake Denmark**—Fencing—Bureau Yards and Docks, Navy Dept., Wash., let contract fencing U. S. machine building, to Anchor Post Iron Wks., 165 Bway., New York City, $47,372. Noted Dec. 6.

Pa., Ft. Mifflin—Ammunition Box Repair House and Central Heating Plant—Bureau Yards and Docks, Navy Dept., Wash., received bids building at Ammunition Depot, (a) work complete; (b) amount deducted from (a) using asbestos roofing in lieu of roofing as specified; (c) amount deducted or added from (a) for steel stack in lieu of radical brick stack, from W. R. Dougherty, 1608 Sansom St., Phila., (a) $37,457; (b) add $600 to (a); (c) deduct $400 from (a); Wark Yardley Co., 1737 Filbert St., Phila., (a) $47,668; (b) add $320; (c) deduct $500; Dawson Constr. Co., May Bldg., Pittsburgh, (a) $53,350; (b) add $275; (c) deduct $560. Noted Nov. 22.

Pa., Ft. Mifflin—Marine Barracks—Bureau Yards and Docks, Navy Dept., Wash., received bids building at Naval Station: (a) work complete; (b) substituting No. 10 copper clad steel wire with double braid weatherproof insulation from Dawson Constr. Co., May Bldg., Pittsburgh, (a) $66,000; (b) $64,200; Snare & Triest Co., 233 Bway., New York City, (a) $84,600; (b) $85,100; W. Linker Co., 831 Cherry St., Phila., (a) $73,300; (b) $73,300. Noted Nov. 22.

Pa., Ft. Mifflin — Office — Bureau Yards and Docks, Navy Dept., Wash., received bids (a) work complete; (b) substituting air-lock brick for stuccoed hollow terra cotta tile; (c) substituting common brick for stucco hollow terra cotta tile, from George & Borst, 277 South 11th St., (a) $16,699; (b) $16,688; (c) $16,985; W. Linker Co., 831 Cherry St., (a) $17,000; (b) $17,500; (c) $17,400; W. Dougherty, 1608 Sansome St., all of Phila., (a) $17,186; (b) $17,486; (c) $16,986. Noted Nov. 29.

Pa., Phila.—Cranes—Bureau Yards and Docks, Navy Dept., Wash., received bids Dec. 10 installing cranes in galvanizing plant at Navy Yard, (a) 3 cranes complete; (b) two 6-ton, 2 trolley cranes; (c) one 3-ton crane, from Manning, Maxwell & Moore, 119 West 40th St., (b) $31,448; Chesapeake Iron Wks., West Port, Md., (b) $32,800. Noted Nov. 29.

Pa., Phila.—Heating System — Bureau Yards and Docks, Navy Dept., Wash., received bids Dec. 10, installing heating system in foundry at Navy Yard, (work complete), from Mathis Bros. Co., Archer Ave., and Canal St., $49,000; Enterprise Steam & Hot Water Heating Co., 600 North Howard St., Baltimore, Md., $50,972; H. E. Crook Co., Inc., 28 Light St., Baltimore, Md., $56,950. Noted Nov. 15.

Pa., Phila. — Piping System — Bureau Yards and Docks, Navy Dept., Wash., received bids Dec. 10, installing at Navy Yard, (a) work complete; (b) net price with certain exceptions as to material and methods; (c) complete tunnel and laterals, (d) compressed-air, Delaware River water and fresh water distributing systems complete, from General Heating & Ventilating Co., 200 Milwaukee St., Milwaukee, Wis., (a) $159,945, time, 150 days; H. E. Crook & Co., 28 Light St., Baltimore, Md., (a) $213,863; (c) $94,487; (d) $121,471; Henley & Co., 5 North La Salle St., Chicago, (a) $232,000; (c) $119,000; (d) $125,500. Noted Nov. 29.

★**Pa., Phila.**—Reservoir—Bureau Yards and Docks, Navy Dept., Wash., let contract 2,000,000-gal. rein.-con. reservoir to C. E. Weed, Inc., P. O. Box 7, Albany, N. Y., $45,350. Noted Dec. 6.

★**Md., Indian Head**—Powder Dry Houses —Bureau Yards and Docks, Navy Dept., Wash., let contract building at Naval Proving Ground to Austin Co., Bulletin Bldg., Phila., Pa., $322,000. Noted Nov. 29.

Wash., D. C.—Excavation—Dist. Comrs. received only bid excavating and backfilling 6000 ft. for 16-in. watermain to be laid on new cut road from 37th St. to about 300 ft. from intersection with Conduit Rd., from W. F. Brenizer, Q N and 1st Sts., $0.40 per lin.ft. for excav. and $0.25 per lin.ft. for backfill.

★**Wash., D. C.**—Foundry Extension—Bureau Yards and Docks, Navy Dept., let contract building at Navy Yard to Warren, Moore & Co., 12th and Market St., Phila., $83,000. Noted Dec. 6.

★**Wash., D. C.**—Steel Towers—Bureau Yards and Docks, Navy Dept., let contract building two 200 ft. steel towers at Naval Radio Sta., Virgin Isles, West Indies, to Bedford Fdry. & Machine Co., Bedford, Ind. About $18,190. Noted Dec. 6.

★**W. Va., Charleston**—Electric Duct System—Bureau Yards and Docks, Navy Dept., Wash., let contract building at U. S. Naval projectile plant, to G. E. Eng. Co., 417 Canal St., New York City. About $8,988. Noted Dec. 6.

★**N. C., Chapel Hill**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., let contract, to Haynes Bros., Chatham, Va., $43,950. Noted Dec. 6.

★**S. C., Charleston**—Power-Plant Improvements—Bureau Yards and Docks, Navy Dept., Wash., let contract to Gillie & Geoghegan, 537 West Bway., New York City, $119,875. Noted Dec. 6.

★**Fla., Arcadia**—Aviation Stations—War Dept., N. D. Baker, secy., let contract building 2 aviation stations to J. G. White, Inc., 43 Exch. Pl., New York City. About $1,500,000, cost plus percentage. Noted Nov. 29 under "Wash., D. C."

Ala., Decatur—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received bids from S. Plato, Marion, Ind., $47,822; Dreher Constr. Co., 746 Marquette Bldg., Chicago, $51,897; J. N. Boston, Marion, Ky., $54,791. Noted Nov. 1.

★**Ala., Montgomery**—Aviation Station—War Dept., N. D. Baker, secy., let contract to J. H. Alexandria, 338 West Front St., Memphis, Tenn. About $750,000, cost plus percentage. Noted Nov. 29 under "Wash., D. C."

★**Miss., Vicksburg** — Levee Work — 3rd Mississippi River Dist., P. O. Box 404. Vicksburg, let contract building Riverton levee to Roach, Stansell, Lawrence Bros. & Co., North Memphis Saving Bank Bldg., Memphis, Tenn., $52,480; Worthington levees, to H. B. Blanks, Vicksburg, $72,500. Noted Nov. 8.

★**La., New Orleans**—Jetties—U. S. Engrs. Office, Custom House, New Orleans, let contract furnishing and placing 33,500 tons stone on jetties at Southwest Pass, Mississippi River, to L. F. Alexander, Audubon Bldg., New Orleans, $180,486. Noted Nov. 1.

★**La., New Orleans**—Levee Work — U. S. Engr. Office, 519 Canal St., New Orleans, let contract building 1,822,000 cu.yd. earthwork in lower Tensas, Barataria and Ponchartrain Levee Dists. to Daveron White & Co., Baton Rouge, La., $350,059. Noted Nov. 8.

★**La., New Orleans**—Radio Buildings—Bureau Yards and Docks, Navy Dept. Wash., let contract building at Naval Sta. to Dreher Constr. Co., 746 Marquette Bldg. Chicago, $15,500. Noted Dec. 6.

★**Mich., Detroit**—Piers, Etc.—U. S. Engineers Office, Detroit, let contract building timber crib concrete piers and excav. of channel of 4th lock, St. Mary's Falls Canal, Mich., to Great Lakes Dredge & Dock Co., Monroe Bldg., Chicago, $242,050. Noted Oct. 11.

★**Ill., Great Lakes**—Outside Electrical Work—Bureau Yards and Docks, Navy Dept., Wash., let contract for outside electrical work at Naval Hospital, to W. A. Jackson Co., 37 West Van Buren St., Chicago. About $17,735.

★**Ill., Great Lakes**—Steel Water Tank—Bureau Yards and Docks, Navy Dept., Wash., let contract installing 100,000-gal. steel wafer tank to Chicago Bridge & Iron Co., 105th and Thorp Sts., Chicago, $8400.

★**Kan., Ft. Riley**—Bridge—Constructing Quartermaster let contract building rein.-con. bridge, to Leavenworth Bridge Co., Leavenworth. Noted Sept. 6.

★**Wyo., Basin**—Post Office—J. A. Wetmore, superv., arch., treas. dept., Wash., let contract to W. D. Lovell, 1415 8th St., S. E., Minneapolis, Minn., $36,500, 9 months. Noted Nov. 29.

★**Ark., Lonoke**—Aviation Station—War Dept., N. D. Baker, secy., let contract building to Stewart McGee Constr. Co., 18 Kahn Bldg., Little Rock, Ark. About $750,000, cost plus percentage. Noted Nov. 29, under "Wash., D. C."

★**Tex., Ft. Sam Houston**—Aviation Station—War Dept., N. D. Baker, secy., let contract, to T. Harman, St. Louis, Mo. About $750,000; cost plus percentage. Noted Nov. 29, under "Wash., D. C."

★**Tex., Fort Worth**—Experimental Station—Bureau Yards and Docks, Navy Dept., Wash., let contract, to Bryce Bldg. Co., 909 Throckmorton St. About $1,000,000; cost plus percentage.

★**Cuba, Guantanomo** — Foam Fire Protection—Bureau Yards and Docks, Navy Dept., Wash., received bids Dec. 10, (a) work complete; (b) with modifications as desired by bidder; (c) gravity foam protection system for 7 steel fuel-oil tanks complete; (d) pressure foam protection system for 2 concrete fuel-oil storage reservoirs, residue fuel-oil tank and gasoline storage tank, from Carroll Electric Co., 714 12th St., Wash., D. C., (a) $135,750; (b) deduct $2575; (b2) $18,000; (b3) $21,000; (c) $63,800; (d) $78,350; Stewart Eng. Co., 61 Bway., New York City, (a) $130,200; (c) $56,270; (d) $74,980. Noted Nov. 8.

MISCELLANEOUS

Proposed Work

Tunnel—Bridgeport, Conn.—See "Streets and Roads."

Coal Pockets—Jersey City, N. J.—Union Terminal Cold Storage Co., 12th St., had plans prepared by J. G. Glover, archt., 222 Navy St., Brooklyn, N. Y., for 2½-story, 25 x 47-ft. About $25,000.

Retaining Wall — Bellaire, O. — See "Streets and Roads."

Park Improvements, Etc.—Cleveland, O. —Cuyahoga Co. Park Comn., Old Court House, plans to improve parks and boulevards. About $200,000. R. Hyre, secy.

Dock—Superior, Wis.—Great Northern Allonez Co. plans to rebuild ore dock No. 3. About $500,000.

Transmission Lines—Vail, Ia.—City voted $11,000 bonds to build transmission line from here to Denison.

Dam—Bridgeport, Neb.—Bridgeport Irrigation Dist. having plans prepared for concrete and earth dam across Platte River. About $75,000. Address R. H. Williams.

Miscellaneous (Continued)

Waterfront Improvement—Corpus Christi, Tex.—City election Jan. 2 to vote on $600,000 bonds to improve waterfront, including 15,000 ft. shore protection, several million yards filling, 5 mi. paved streets, rein.-con. bridges, etc. R. Miller, mayor.

Pipe Line—Morrison, Okla.—City election Dec. 20, to vote on $10,000 bonds to build pipe line. E. R. Edward, pres. bd.

Wharf—San Francisco, Cal.—State Bd. Harbor Comrs., Sacramento, had plans prepared by F. G. White, ch. engr., building 56 x 2145-ft. wharf at China Basin from point near Channel St. to pier No. 54, including 4 piers and eventually a causeway from wharf to Mission Rock; 60 x 75-ft. shed on pier No. 41; 110 x 710-ft. shed on Pier No. 3; 30 x 400-ft. bulkhead wharf building and 66 x 99-ft. passenger building.

Dredging — Three Rivers, Que. — Tide Water Shipbuilding Co. plans to dredge channel from St. Lawrence River to its plant. About $20,000. H. B. Tourigny, dist. engr.

Subway — London, Ont. — Western Fair Bd. plans to build subway. A. M. Hunt, Dominion Savings Bldg., secy. treas.

Wharf and Ways—Vancouver, B. C.—J. Coughlan & Sons, 500 Beatty St., having plans prepared for wharf and 4 launching ways at False Creek.

BIDS DESIRED

Station Finish—New York, N. Y.—Until Dec. 26, by Pub. Serv. Comn., 120 Bway., for station finish on parts of Bway.-4th Ave. and 7th Ave.-Lexington Ave. Rapid Transit R.R.

BUILDING OPERATIONS FOR NOVEMBER

Following is a list of contracts awarded published by the F. W. Dodge Co. for New England, New York, New Jersey, Pennsylvania, Maryland, Delaware, District of Columbia, Virginia, Ohio, West Virginia, Illinois, Indiana, Iowa, Wisconsin, Michigan, Minnesota, North and South Dakota, and portions of Missouri and eastern Kansas from Jan. 1 to Nov. 1, 1917:

January 1 to December 1, 1917	$1,527,370,000
January 1 to December 1, 1916	1,243,998,397
January 1 to December 1, 1915	857,190,100
January 1 to December 1, 1914	677,920,300
January 1 to December 1, 1913	798,117,500
January 1 to December 1, 1912	803,391,500
January 1 to December 1, 1911	735,283,813
January 1 to December 1, 1910	756,284,931

NEW YORK AND NORTHERN NEW JERSEY

Comparative statistics of building and engineering operations in New York State and Northern New Jersey, as compiled by the F. W. Dodge Company:

January 1 to December 1, 1917	$316,014,000
January 1 to December 1, 1916	255,381,500
January 1 to December 1, 1915	155,154,500
January 1 to December 1, 1914	121,598,000
January 1 to December 1, 1913	235,694,500
January 1 to December 1, 1912	211,282,500
January 1 to December 1, 1911	215,839,500
January 1 to December 1, 1910	233,081,000

The November total for contracts awarded in the larger territory amounts to $94,278,000 against $154,451,574 for October, and $122,464,271 for September. For the smaller territory the figures for November are $29,738,000 against $38,921,000 for October, and $35,027,000 for September.

Fast Erection of Munition Plant — The day after a contract for millions of dollars' worth of special recoil mechanisms had been let to Dodge Brothers, Detroit, by the United States Government, work began on a plant in that city for manufacturing the mechanisms. Excavation for the 578 x 818-ft. building is going forward rapidly, at the present time, and it is expected that the plant will be in operation by spring. The construction is in charge of Dodge Brothers' superintendents.

Federal-Ship Plant Built in 76 Days—The large ship-erecting plant of the Submarine Boat Corporation has been virtually completely erected, on Newark Bay, N. J., in 76 days. Keels of three steel ships will be laid before Jan. 1, 1918. The plant should be releasing completed vessels by June. More than 50 are expected to be turned out in 1918. The plant has contracted for 150, aggregating 750,000 tons.

Flooring — Willard, N. Y. — (Official)—Until Dec. 19, by State Hospital Comn. Capitol, Albany, for new floor construction at Willard State Hospital. E. S. Elwood, secy.; advertised in this issue.

Bulkhead—Atlantic City, N. J. — See "Streets and Roads."

Fire Escapes—Dover, N. J.—(Official)—Until Dec. 18, by Bd. Educ., North Side School, for fire escapes and other alterations to South Side School. C. H. Benedict, secy.; advertised in this issue.

Levee Work—Shreveport, La.—(Official) Until Dec. 28, by Comrs. Caddo Levee Dist., Shreveport, building in Caddo Parish, Red River, right bank, above Shreveport, Briarfield to Cottonwood Bayou Levee, involving 102,000 cu.yd. excav.; Cottonwood Bayou to Hurricane Bluff Levee, involving 106,000 cu.yd. excav.; Hurricane Bluff to Cairo Levee, involving 105,000 cu.yd. excav.; Cairo to Fire Point Levee, involving 97,000 cu.yd. excav.; Fire Point to Pickett Levee, involving 116,000 cu.yd. excav.; below Shreveport, Caldwell Point to Tones Bayou Levee, involving 120,000 cu.yd. excav. W. A. Kerley, secy. Noted Oct. 18.

River Channel Improvements—Columbus, O.—Until Dec. 18, by G. A. Borden, dir pub. serv., widening Scioto River, also building levees, bridge, etc. Noted Nov. 22; advertised in this issue.

Creek Diversion—Rosedale, Kan.—(Official)—Until Dec. 22, by A. H. Schmedinghoff, city clk., for constructing Turkey Creek Diversion, upper section involves excav. of channel for distance of about 3500 ft. building levees for channel, rein.-con. bridge over channel on Southwest Blvd., steel bridge on Rosedale Ave. and removal and rebuilding of foot bridge on Henning Ave.; lower section, excav. channel, about 6100 ft., levees, concrete tunnel 28 ft. in diam. and about 1300 ft. long, and subway under certain Santa Fe tracks, all to provide for channel flow of Turkey Creek, Harrington, Howard & Ash, Orear Leslie Bldg., Kansas City, Mo., cons. engrs.

Levee — Chamois, Mo.—(Official)—Until Jan. 5, by J. R. Garstang, secy., bd. comrs., Shawnee Creek D. D., building 60,000 cu.yd. earth levee; advertised in this issue.

Seawall, etc.—Long Beach, Cal.—Until Dec. 18, by Bd. Pub. Wks., building combined rein.-con. seawall, sidewalk, center wall, end walls, steps, vitr. pipe culverts, sheradized wrought iron conduits, concrete lighting posts, etc., on Seaside Blvd. About $76,000. Noted Nov. 15.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Tunnel—Pittsburgh, Pa.—Alleghany Co. Comrs. let contract for tunnel connecting county court house and city-county building, to F. F. Schellenberg, Hartje Bldg. About $29,238.

Flood Control Works—Dayton, O.—Bd. Dir., Miami Conservancy Dist. rejected all bids building dams and appurtenances for flood control work. Work will be performed under direct supervision of district. Noted Nov. 22.

★Revetment Work—Sioux City, Ia.—Sioux City Stockyards Co. let contract for piling willow facing and riprap work, to E. A. Whitney, 621 5th St., $20,000.

★Embankment — Dallas, Tex. — See "Streets and Roads."

BARGE CANAL WORK

Contract 165

Bids were received by W. W. Wotherspoon, supt. pub. wks., for removing Montezuma Aqueduct and completing canal prism excavation, also redredging canal prism, near Fox Ridge, from (A) Engineer's estimate; (B) Mohawk Dredge & Dock Co., Inc., Herkimer. The unit bids were as follows:

	A	B
170,700 cu.yd. excavation	$0 40	$0 79
5,630 cu.yd. removing old masonry	1 25	3 25
925 M. ft. b. m. removing old timber	3 00	12 00
2,830 pulling round piles	1 25	2 50
345 lin.ft. pulling wooden sheet piling sta., 5,440	2 00	4 00
2,600 lin.ft. furnishing and driving fender piles	50	80
2,600 lin.ft. driving fender piles	35	55
Extended totals	$84,530	$176,216

STATE HIGHWAYS—CALIFORNIA

Bids were received by State Highway Comn., Sacramento, for constructing highway in Los Angeles Co., Div. 7, Route 9, Sect. "A," from (a) A. L. McCray, 234 West 28th St., Los Angeles; (B) F. Hoffman, 111 East 12th St., Long Beach; (C) G. R. Curtis, 2440 East 26th St., Los Angeles. The unit bids were as follows:

	A	B	C
258,000 cu.yd. excavation without classification	$0 71½	$0 76	$0 85
3,250 lin.ft. 12-in. corrugated metal pipe	60	70	1 50
3,980 lin.ft. 18-in. corrugated metal pipe	70	1 00	1 50
1,450 lin.ft. 24-in. corrugated metal pipe	80	1 50	1 50
398 lin.ft. 30-in. corrugated metal pipe	90	2 25	1 50
1,803 cu.yd. portland cement concrete, class "A" (cul's. and mon's.)	15 00	16 00	17 50
203 cu.yd. portland cement concrete, class "C" (retaining walls)	14 00	16 00	17 50
8.5 mi. moving and resetting property fences	225 00	300 00	250 00
1,032 monuments (haul and set)	1 00	1 25	1 75
Extended totals	$223,556	$241,342	$271,953

Bids were received by State Highway Comn., Sacramento, for constructing highway in Humboldt Co., Div. 1, Route 1, Sect. "B," from (A) Palmer & McBryde, Hooker & Lent Bldg., San Francisco; (B) A. J. Fairbanks, Willits; (C) Warren A. Bechtel, 625 Market St., San Francisco; (D) Bates & Borland, Oakland Bank Savings Bldg., Oakland, $283,818; (E) Shattock Eddinger Co., San Francisco, $338,621. The unit bids of the 3 lowest bidders were as follows:

	A	B	C
53,700 cu.yd. excavation without classification	$0 75	$1 00	$0 90
858 lin.ft. 18-in. corrugated metal pipe	2 00	1 00	1 00
365 lin.ft. 24-in. corrugated metal pipe	2 00	1 50	1 50
310 cu.yd. portland cement concrete class "A" (cul's. and mon's.)	16 00	15 00	15 00
9,800 cu.yd. portland cement concrete, class "A" (pavement)	6 00	5 50	8 60
4,600 lin.ft. guard rail	1 00	75	50
170 monuments (haul and set)	1 00	1 00	1 00
Extended totals	$111,251	$117,276	$141,135

SEARCHLIGHT SECTION

Contracts To Be Let

PROPOSALS

Bids received until Dec. 29, 1917.

Bridge Repairs

BOARDS OF SUPERVISORS, ALBANY COUNTY AND RENSSELAER COUNTY, STATE OF NEW YORK

Troy, N. Y.

Sealed bids or proposals for repairing 12th Street Bridge over the Hudson River between Ontario Street, City of Cohoes and 12th Street, Lansingburg, City of Troy, in accordance with form of contract, plans and specifications adopted October 18th, 1917, will be received at the office of C. A. Roemer, County Superintendent, County Court House, Troy, N. Y., until twelve o'clock noon, Saturday, December 29th, 1917, and then and there will be publicly opened and read.

The work consists of repairing trusses and floor beams, renewing all woodwork of floor, building new retaining wall on south side of Cohoes approach and paving bridge and approach with wood block paving.

List of the approximate quantities of material involved is given below:

Structural steel (excluding spikes), 48,000 lbs.
Rivets to knock out, 700.
Holes to drill, 10,100.
Rivets to drive, 9,850.
Creosoted Yellow Pine Scantling, 86,000 ft. B.M.
Creosoted T & G Plank, 62,000 ft. B.M.
Creosoted 2-in., 29,000 ft. B.M.
Old Lumber, off, 175,000 ft. B.M.
3-in. Creosoted wood block paving, 1,720 sq.yds.
3½-in. Creosoted wood block paving, 1,540 sq.yds.
Concrete curb, 673 lin.ft.
7-in. concrete base, 322 cu.yds.
Catch Basins, 2.
Concrete sidewalk paving, 3,540 sq.ft.
Concrete Retaining Wall and Pedestals, 470 cu.yds.
Reinforced Rods and Dowels, 2,000 lbs.
Pipe Railing, 565 lin.ft.

Bids should be addressed to Highway Committee of Rensselaer County and Roads and Bridges Committee of Albany County, Rensselaer County Court House, Troy, N. Y., and endorsed "Bid for repairing 12th Street Bridge."

Bids must state prices for all items of the work and bids which do not include all the prices called for in the bidding form may be rejected.

Plans and specifications may be seen and bidding forms obtained at the office of E. J. Bedell, County Superintendent, Court House, Albany, N. Y., or C. A. Roemer, County Superintendent Court House, Troy, N. Y.

All proposals must be made upon the form furnished by the County Superintendents and must give prices in both words and figures and be signed by the bidder, with his business address and place of residence.

Each bidder will be required to give the Committee satisfactory evidence of his competency, experience and responsibility to perform such work.

Each bid must be accompanied by a certified check or draft for Two Thousand Five Hundred Dollars ($2,500.00) payable to the Treasurers of Albany and Rensselaer Counties, N. Y., such check to be returned to the bidder unless forfeited under the conditions herein stipulated.

A bond will be required for the faithful performance of the contract in the sum of 50% of the contract price, with a surety company, authorized to do business, in the State of New York and satisfactory to the Committees.

The person or firm to which contract shall be awarded will be required to offer his surety and to execute contract and furnish required bond within ten days (excluding Sundays) from the date of mailing notice to him, at the address given in his bid, that contract is ready for signature; and in case of failure or neglect to so appear and execute contract and bond, the bidder will be deemed to have abandoned the contract, and the check accompanying the same shall be forfeited to the Counties of Albany and Rensselaer.

The right is reserved to increase or diminish the quantity of work called for, or to omit or modify particular items, as may be deemed necessary.

The right is reserved to reject any and all bids and to waive any defect or informality at the discretion of the committee, should the same be deemed to the best interest of the Counties of Albany and Rensselaer.

WILLIAM B. SHERMAN
A. C. NILES
C. Z. BENNETT
SALEM H. WHITE
JOHN H. FINNERTY
Highway Committee of Rensselaer County, Board of Supervisors.

JOHN J. THOMSON
ALEXANDER FLANSBURG
FREDERICK J. VAN WORMER,
EMANUEL WENGER
MICHAEL S. POE
Roads and Bridges Committee of Albany County, Board of Supervisors.

Official Proposals

Price, $3.60 an inch—Copy can be received until Wednesday, 10 a.m., for issue mailed the next day.

PROPOSALS

Bids received until Dec. 20, 1917.

Wingdale Prison Improvements

Wingdale, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work for Cell House, Interlocking Building, Mess Hall, and Central Heating and Lighting Plant, and Underground Piping and Conduit Work, Underground Sewer and Water Connections and Underground Electric Service Connections, at Wingdale Prison, Wingdale, N. Y., will be received by the Commission on New Prisons, Room 618, Hall of Records Building, Centre and Chambers Sts., New York City, until 2:30 o'clock p.m., on Thursday, January 10, 1918, when they will be publicly opened and read. Proposals shall be inclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent. (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent. (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 2812, 2813, 2814, 2815, 2879, 2882, 2869, 2885, 2872, 2880, 2883, 2870, 2886, 2873, 2881, 2884, 2871, 2887 and 2874. The right is reserved to reject any or all bids. Drawings and specifications may be consulted at the office of the Commissioner on New Prisons, Room 618, Hall of Records, New York City, at the New York office of the Department of Architecture, Room 1224, Woolworth Building, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings and specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon the deposit of a certified check in the sum of $10.00 made payable to the State of New York for each set of plans and specifications, which check will be returned if plans and specifications are sent back in good condition to the State Architect, Lewis F. Pilcher, Capitol, Albany, N. Y.

Dated: December 10, 1917.

PROPOSALS

Bids received until Dec. 18, 1917.

River Channel Improvement

Columbus, Ohio.

Bids will be received by the City of Columbus, Ohio, at the office of its Director of Public Service, City Hall Building, Columbus, Ohio, until twelve o'clock noon, central standard time, Tuesday, December 18, 1917, for widening the Scioto river and constructing levees, bridges, and other work in connection therewith, in accordance with the plans and specifications on file with Henry Maetzel, Chief Engineer, from whom bidding blanks and information may be obtained.

The work involves the following principal quantities:

1,860,000 cubic yards excavation,
34,000 cubic yards concrete,
72,200 square yards revetment,
33,500 linear feet piling.

Bids will be received on the work:
First: As a whole.
Second: Channel excavation.
Third: All concrete masonry.
Fourth: Seven-span concrete arch bridge, sixty feet wide and six hundred and seventy feet between abutments.
Fifth: Masonry weir, walls and miscellaneous work.
Sixth: Steel bridge, alternative plan for Fourth Item.

A deposit of $25.00 is required to insure return of plans on or before day of letting.

GEO. A. BORDEN,
Director of Public Service.

Attest:
H. J. KLINE, Secretary.

U. S. ENGINEER OFFICE, 305 Southern Building, Washington, D. C.—Sealed proposals for removing wreck of Barge "Tangier" from York River, Virginia, will be received at this office until 12 M., Dec. 21, 1917, and then opened. Information on application.

UNITED STATES ENGINEER OFFICE, Galveston, Texas.—Sealed proposals will be received here until 12 o'clock M. December 14, 1917, and then opened, for furnishing and delivering riprap at Port Aransas, or Rockport, Texas. Information on application.